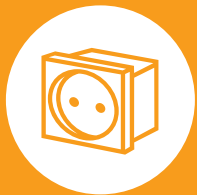


EGS | Catalogue 2012/2013



# Device systems

THINK CONNECTED.

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### **OBO EGS seminars: First-hand knowledge**

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[www.ausschreiben.de](http://www.ausschreiben.de)

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## The principle of Modul 45®



### One for all.

#### The new simplicity

Each building requires an individual solution for electrical installations. The Modul 45 series from OBO means that it is always possible to find a functional and aesthetically pleasing solution. Modul 45 can be installed universally in device installation ducts, in under-floor systems, in installation column systems and also in concealed and cavity wall applications. Using adapters and installation accessory sockets, Modul 45 devices can also be used in LFS systems with an 80 mm cover. When combined with ducts and cover frames, this produces a system in which everything is matched – and which can be adapted to new conditions at any time using just a few actions. Switches, sockets and data technology simply have to be snapped in. Device mounting has never been quicker or simpler.

#### The advantages of Modul 45 at a glance:

- Modular structure
- Quick and easy planning
- Easy mounting
- High efficiency due to time and cost savings
- Wide range of application options
- Space savings
- Easy exchangeability
- Flexible adaptability
- Attractive design



## What costs or time effects can be achieved using the Modul 45® system?



**The quick and low-cost type of installation.**

### Time to save money

The Modul 45 system speeds up work in each project phase, and thus makes it cheaper. Thanks to the standardised installation dimensions and the wealth of components and accessories, you can use this system for almost any application. This speeds up planning – a decisive competitive advantage, when rapid action is required. You can also reduce your warehouse and logistics costs, because you will need fewer different systems from different manufacturers. The locking system ensures that installations and changes at a later date can be completed quickly.

### Time savings through plug & play

With the new Modul 45connect socket system, OBO is offering the most time-saving, simple and safe type of electrical installation. An adapter for the GST18i connector system is simply locked onto the socket allowing quick connection and forwarding of the power supply with VL extension cables. This means that there is no need for lengthy work steps when connecting sockets, such as removing cable insulation, connecting cables and mounting strain relief.

### A principle which makes the grade

Today, besides function and design, installation and mounting times are key quality characteristics of a product. The Modul 45 system simplifies installation and thus reduces mounting times. Compared with standard installation types, the cost of installation, expansion and replacement of accessories is considerably lower. The decisive advantage: switches, sockets and the like are simply snapped into the system environment by hand – and the perfect, attractive and practical installation is already complete.



## In which OBO system environments is the Modul 45® system used?



### Rapid 80 device installation ducts

Absolutely easy mounting, a modular system structure and practical materials are all characteristics of the device installation ducts made of plastic, sheet steel or aluminium. Modul 45 technology can also be installed using device mounting boxes and cover frames.



### Installation column

Energy couldn't flow better: The ISS installation column systems from OBO allow free positioning of supply points near workplaces. When equipped with Modul 45 devices, a flexible future is always installed.



### Rapid 45 device installation ducts

Simple mounting, perfect appearance: The Rapid 45 device installation duct can be used universally. It can be installed as a dado and skirting board duct and offers plenty of space for plenty of cables. Switches, sockets and the like are snapped into the duct profile by hand.



### Concealed and cavity wall systems

Modul 45 devices are becoming ever more popular. With its new solutions and products, OBO is rising to meet the increasing demand for practical components.- for example concealed and cavity wall solutions produce new opportunities for installations.



### Underfloor systems

OBO underfloor systems can offer easy, safe access to power supplies, internal and external data networks and telecommunication systems. Hidden cable ducts are particularly elegant. The Modul 45-compatible product series contain solutions for all floor types and areas of application.



### Power supply unit

All good things come from above: The extremely robust power supply unit, which is suitable for industrial use, is suspended from the ceiling. It can be equipped with Modul 45 accessories and offers power, data technology and compressed air connections. Pre-equipped and pre-wired units are available.





## Which is the ideal installation system for the Modul 45® system?



### The "Dream Team": Rapid 45 and Modul 45 system.

#### Made for each other: Rapid 45 and the Modul 45 system

The Rapid 45 device installation ducts and installation columns with 45 mm system opening were developed especially for the devices of the Modul 45 system: The perfect interplay of modern, sleek design and contemporary economic installation. No additional components such as accessory mounting boxes, adapters or cover frames are required for mounting. The devices are clicked directly into the system opening, thus forming an unbeatable double act.

#### Noticeable: GEK Device installation duct Rapid 45

A characteristic feature of Rapid 45 is the imposing shape with slanting top edges. Thanks to its anodised surface, the Rapid 45 aluminium duct can be integrated easily in offices with high-quality fittings. It is available in two sizes, as mono and duoducts.

#### Very sleek

An ISS 45 mm system opening with a diameter of just 70 mm, the aluminium profile of the ISS Modul 45 system is irresistible. On the front side, there is an opening for direct installation of the switching and connection accessories of the Modul 45 system. An aluminium cover provides complete cover. This is what permits its extremely slender design.



The Modul 45 sockets offer every comfort required for economic contemporary electrical installations. Starting with the integrated screwless terminals, allowing toolless mounting, through the compact design with the tried-and-true locking fastening up to a range of variants, offering the right solution for every system environment. The multiple sockets, 2x and 3x, are particularly economic and time-saving during installation. The lengthy wiring process of individual

sockets, as required for standard installations, is no longer necessary.

# Planning aids, Modul 45® systems, sockets



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## Country-specific sockets



### Danish standard socket

for plug type C (Euro) and K:

- Denmark



### Socket with earthing pin

for plug type C (Euro) and E:

- Belgium
- France
- Monaco
- Poland
- Slovakia
- Czech Republic



### Swiss standard socket

for plug type C (Euro) and J:

- Liechtenstein
- Switzerland



### Socket, British Standard

For plug type G:

- United Kingdom
- Ireland
- Malta



### Protective contact socket

for plug type C (Euro) and F:

- Albania
- Andorra
- Bosnia and Herzegovina
- Bulgaria
- Germany
- Estonia
- Finland
- Greece
- Iceland
- Italy
- Croatia
- Latvia
- Lithuania
- Luxembourg
- Macedonia
- Moldova
- Montenegro
- The Netherlands
- Norway
- Austria
- Portugal
- Romania
- Russia
- Sweden
- Serbia
- Slovenia
- Spain

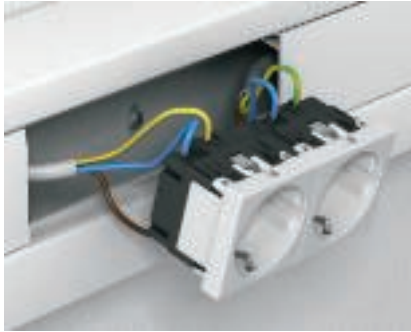
- Turkey
- Ukraine
- Hungary

### Safety power supply

To restrict special power circuits in industrial buildings, the sockets are available in the colours orange, green and red. This means that, for example in a laboratory, all the requirements of DIN VDE 100 Part 710 can be met.

All data subject to change.

## Mounting aid for Modul 45® sockets



### Device connection

The electrical connection is made using integrated screwless terminals, designed for rigid cables with a cross-section of 1.5–2.5 mm<sup>2</sup>. Flexible wire ends must be equipped with a plug connector.



### Use of strain relief

The strain relief is attached to the front side on the fastening grooves. The strain on cables of a diameter of up to 10 mm is relieved correctly.



### Use of coded sockets

Coded sockets are used to restrict special power circuits. The sockets possess additional mechanical coding, preventing the insertion of standard connectors.



### Using the encoding pin

The encoding pin makes it possible to insert a connector into an encoded socket. The encoding pin is placed on the connector and stuck fast.





The new Modul 45connect socket system is the logical step to make electrical installations even faster and safer. A socket can be mounted and connected with just a few actions. Adapters with the GST18i connector system are simply locked onto the socket and connection can begin, for example using the known VL connection cables. With the right adapter, arrangement of multiple sockets is no problem either. Efficient installation times and safe and simple in-

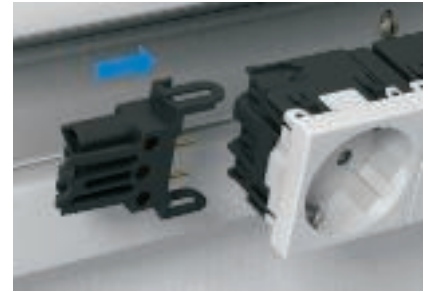
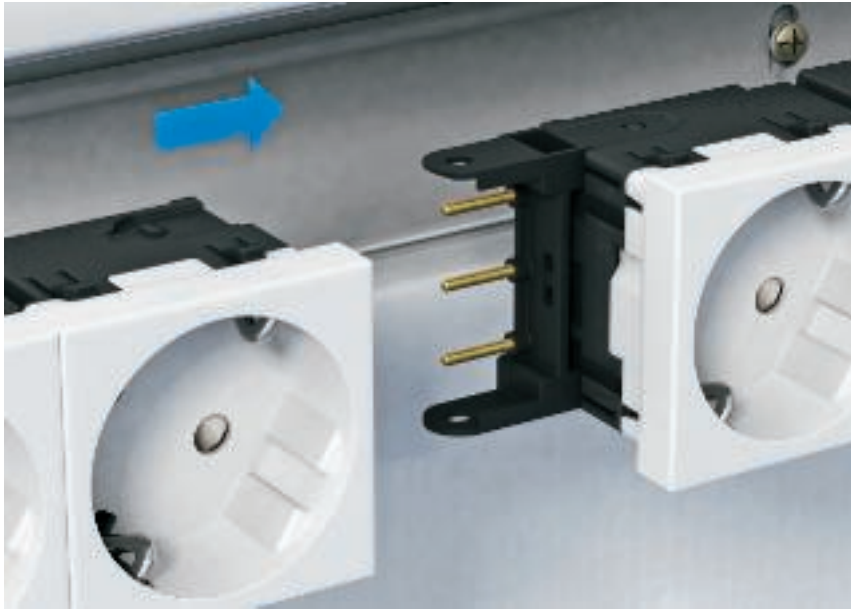
stallation means that the new sockets are a particularly economic addition to the OBO Modul 45 product range.

## Planning aids, Modul 45connect® systems, sockets and installation accessories



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What advantages does the Modul 45connect® system have?	17
In which areas can the Modul 45connect® system be used?	18
Mounting aids for Modul 45connect® sockets	19

## What is Modul 45connect®?



### Mounted at high speed

Time is money! This statement reflects the fact that installation and mounting time is becoming ever more important in the decision for or against a product. The new Modul 45connect socket system from OBO Bettermann is taking this principle up and can offer new and innovative opportunities with regard to speed, safety and flexibility.

### The new socket concept

The Modul 45connect sockets, with their simplified installation and optimised and reduced mounting work, are waiting just for you. With them, you need not do without the known benefits of the Modul 45 products. The plug connections of the new sockets are located on the front side and are thus particularly suited to applications in device installation trunking or service poles. Besides the standard fixed wiring up to a cable cross-section of 2.5 mm<sup>2</sup>, the new arrangement of the plug connections allows simple attachment of connection adapters. For country-specific use, protective contact sockets and sockets with an earthing pin are available in double and triple versions with a 33° connection direction.

### Connection adapters

All the connection adapters for the

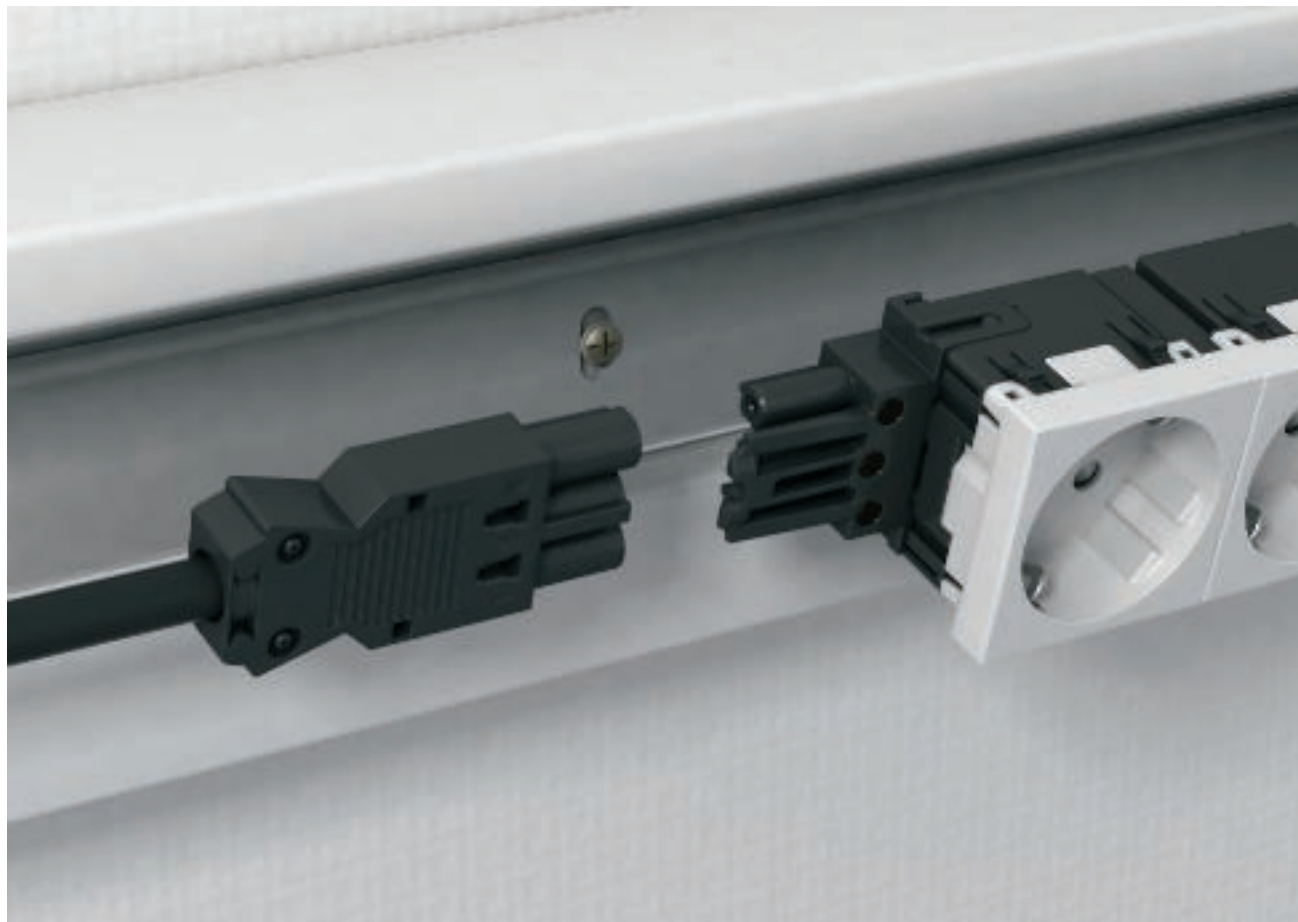
Modul 45connect system are equipped with the tried-and-trusted GST18i connector system and use connector and socket adapters to offer a standardised connection and forwarding option for power supplies using the known VL extension cables. To ensure visual differentiation between circuits, all the connection adapters and connection cables are available in the colours white and black.

### Connection adapter

An additional new function is the connection of sockets using the plug connector for the Modul 45connect system. It is possible to create multi-socket combinations (up to 6x combinations) without the need for additional wiring.



## What advantages does the Modul 45connect® system have?



### Quick installation

The Modul 45connect sockets, together with the connection adapters, can reduce mounting times considerably, compared to standard socket installations. Time-intensive work steps when connecting sockets, such as removing the insulation from cables, connecting wires and mounting strain reliefs, are no longer necessary. The socket connection can be made in a few actions without the use of tools.

### Touch protection included

If sockets with connection adapters or connectors are used for electrical installations, then there is no need for an additional protective housing. Modul 45connect guarantees comprehensive touch protection according to the VDE requirements.

### More safety

When the adapter is used, it is almost impossible to swap the connection sides. Each box has a socket and a plug connection side, to which only a matching

adapter can be connected. The Modul 45connect socket system ensures that unpleasantness, and subsequent damage caused by faulty wiring, are a thing of the past.

### Flexible and secure for the future

Should reconstruction take place in the system at a later date, only the plug connections need to be disconnected and then the system can be adapted to the new circumstances without any problems.





## In which areas can the Modul 45connect® system be used?



### Cable routing systems with 45 mm system opening

The whole of the new Modul 45connect socket system really comes into its own in cable routing systems with a 45 mm system opening. The sockets can be locked directly into the system opening and thus offer the greatest ease of installation. Socket connection and forwarding to the next socket is carried out using straight connector and socket adapters. Sockets can be arranged (up to 6x combinations) easily and quickly in a few actions using the connector for Modul 45connect.

### Cable routing systems with 80 mm system opening

Accessories are installed in cable routing systems with an 80 mm system opening using the module support 71MT3/45. The module support is open in the downwards direction and offers sufficient space for straight connection adapters with the GST18i connector system. Besides power connections, forwarding to the next socket is also extremely easy. An additional benefit: The compact structure and low installation depth of the Modul 45connect sockets mean that there is a lot more installation space for additional cables.

### Device installation systems for raised floors and open, screed-flush duct systems

The Modul 45connect system makes device installation in the raised floor system environment and in open, screed-flush duct systems even easier and safer. Accessories are installed using the MT3/45 and MT4/45 module supports. Sockets are connected using a U-shaped adapter, which was designed especially for under-floor use. When the U-shaped adapter is mounted, the connection point for the extension cable is located beneath the socket. Socket combinations such as 1 x 4x or 2 x 2x can be created quickly and simply using Modul 45.

# Mounting aid for Modul 45connect® sockets



### Conventional device connection

The electrical connection is made using integrated screwless terminals, designed for rigid cables with a cross-section of 1.5–2.5 mm<sup>2</sup>. Flexible wire ends must be equipped with a plug connector.



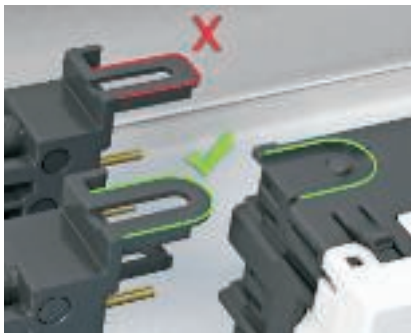
### Use of strain relief

The strain relief is attached to the front side on the fastening grooves. The strain on cables of a diameter of up to 10 mm is relieved correctly.



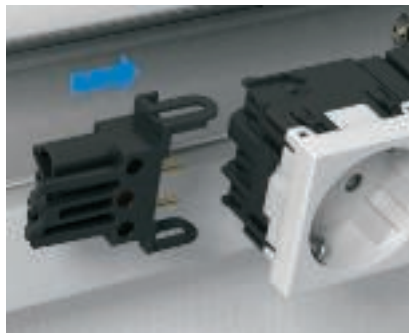
### Device connection with connection adapter

The boxes possess two connection sides, which are designated the plug and socket side. Mechanical encoding is used to limit the connection options of the adapters to one side per type.



### Coding of the connector connection side

Before mounting the connector section adapter, check that the coding agrees with the socket. Each socket has a connector connection side.



### Connection adapter, straight, connector

Insert the connection adapter (connector part adapter) into the plug side of the box and lock it in place.



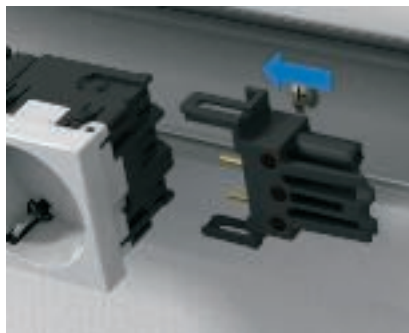
### Connection adapter, socket

Insert the connection adapter into the socket side of the first box and lock it in place. The next socket can be inserted and locked when the protective flap is removed. Note: Socket combinations with two connection adapters at most are permitted.



### Coding of the socket connection side

Before mounting the socket section adapter, check that the coding agrees with the socket. Each socket has a socket connection side.



### Connection adapter, straight, socket part

Insert the connection adapter (socket part adapter) into the socket side of the box and lock it in place.



### Device installation in Rapid 80 / ISS

Devices are installed in the Rapid 80 duct system and in ISS service poles using the mounting support, type 71MT2 45 or 71MT3 45.





**Connection adapter, GST18**

The connection adapter VB-G GST18.. permits the arrangement of sockets in the Rapid 80 duct system and in ISS service poles.



**Connection adapter, U-shaped, connector part**

Insert the connection adapter (U-shaped connector part adapter) into the plug side of the box and lock it in place.



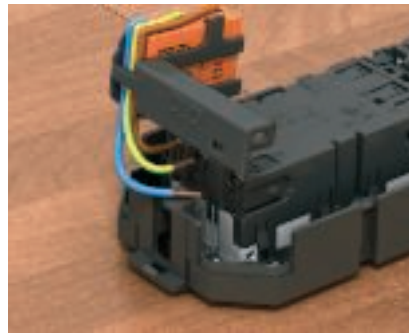
**Device installation in underfloor systems**

In underfloor systems, devices are installed using the module support, type MT3 45 or MT4 45.



**Mounting of surge protection module**

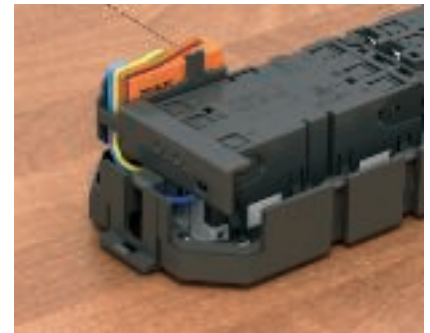
Attach the surge protection module to the support with the labelled side inwards.



**Connection of ÜSS module**

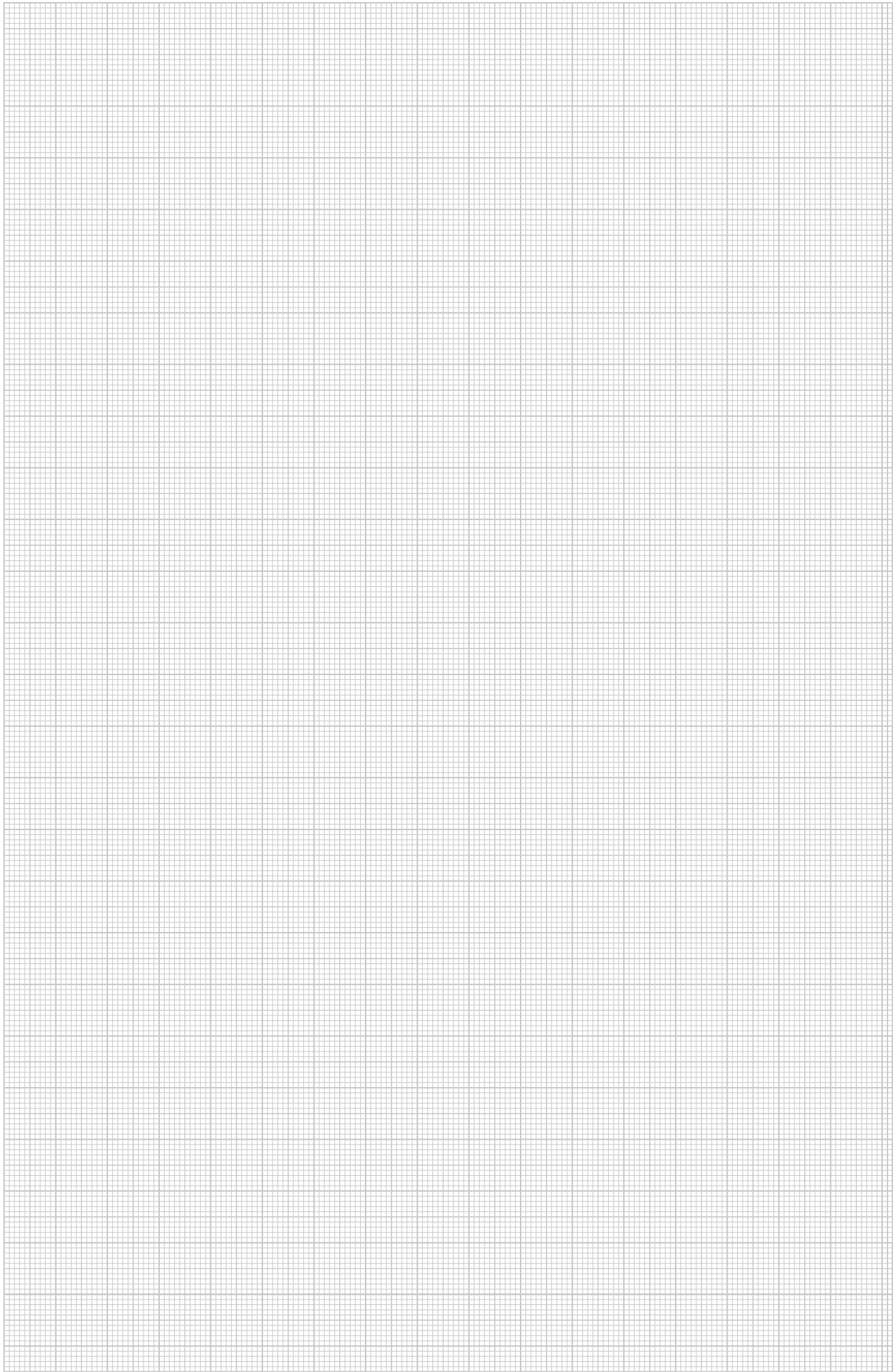
Connect the surge protection module to the socket.

Note: Ensure correct polarity.



**Finished mounting of ÜSS modules**

Lock the module support on the socket.





Whether you're switching light sources, controlling building systems or connecting telephones and antennas, the devices of the Modul 45 system make it possible. Besides a complete selection of switches and buttons in  $\frac{1}{2}$  and 1 module width, the Modul 45 system can also offer electronic accessories, such as surge protection and a wide range of other products, to make everyday living and work, at home or in the office, simpler, more convenient and safer.

# Planning aids, Modul 45® systems, switching and connection accessories



Electronic switching devices for Modul 45®	24
Mounting aids for Modul 45® switching and connection accessories	26



## Electronic switching devices for Modul 45®



### Electronics included

Whether at home or in the office: The electronic switching accessories for Modul 45 offer every comfort to make life simpler. OBO can offer intelligent solutions to control and regulate building systems, without the need to do without the known benefits of the Modul 45 system. Whether a timer, roller blind timer switch, motion detector or room thermostat – all the accessories are available in the compact Modul 45 design.

The electronic switching devices are offered as a system with a modular structure. A relay base and a top with the required function are always required for device installation. The system is based on two relay bases and four tops for the different functions.

### Timer

The timer is used in conjunction with the RE-UW and RE-U2K relay bases. The timer can be used to switch consumers on and off automatically using switching times or manually. In addition, it is possible to carry out a switching operation using the extensions of the relay base.

- Optional manual or automatic operation
- Minimum switching time: 1 minute
- Daily/weekly programming
- 24 switching times programmable
- If there is a power failure, then the programming remains intact for 30 minutes.

### Room thermostat

The room thermostat is used in combination with the RE-UW relay base. It is used to control the circulation pump of a heating system. Control takes place automatically using switching times or manual switch-on and off. In addition, it is possible to carry out a switching operation using the extension of the relay base.

- Optional manual or automatic operation
- Daily/weekly programming
- 24 switching times programmable
- Day, night and frost protection level settable
- Time and room temperature can be set at any time
- 6 control speeds (RP value) settable
- If there is a power failure, then the programming remains intact for 30 minutes.





### Roller blind weekly timer

The roller blind weekly timer is used in conjunction with the RE-U2K relay base. With the roller blind weekly timer, it is possible to control a roller blind, Venetian blind or awning either automatically or manually. In addition, it is possible to carry out a switching operation using two extensions of the relay base.

- Optional manual or automatic operation
- Settable run time
- Daily/weekly programming
- 24 switching times programmable
- If there is a power failure, then the programming remains intact for 30 minutes.

### Motion detector

The motion detector is used in combination with the RE-UW relay base. It detects the movement of people and the daylight value. The lighting is switched on when a movement is detected and the daylight value stays under the preset light value. The lighting remains switched on for the time during which motion is detected. If no further motion is detected, then switch-off takes place after the switch-off time has elapsed. The switch-off time can be set on the motion detector. The lighting can be switched on and off manually on the device. In addition, it is possible to carry out a switching operation using the extension of the relay base.

- Can be operated manually
- Detection range 8 m
- Angular coverage horizontal 180°



## Mounting aid for Modul 45®, switching and connection devices



### Device connection, switches/buttons

The electrical connection is made using integrated screwless terminals, designed for rigid cables with a cross-section of 1.5–2.5 mm<sup>2</sup>. Flexible wire ends must be equipped with a plug connector.



### Mounting LED element

Insert the LED element on the rear side of the switch into the intended opening and lock it in.



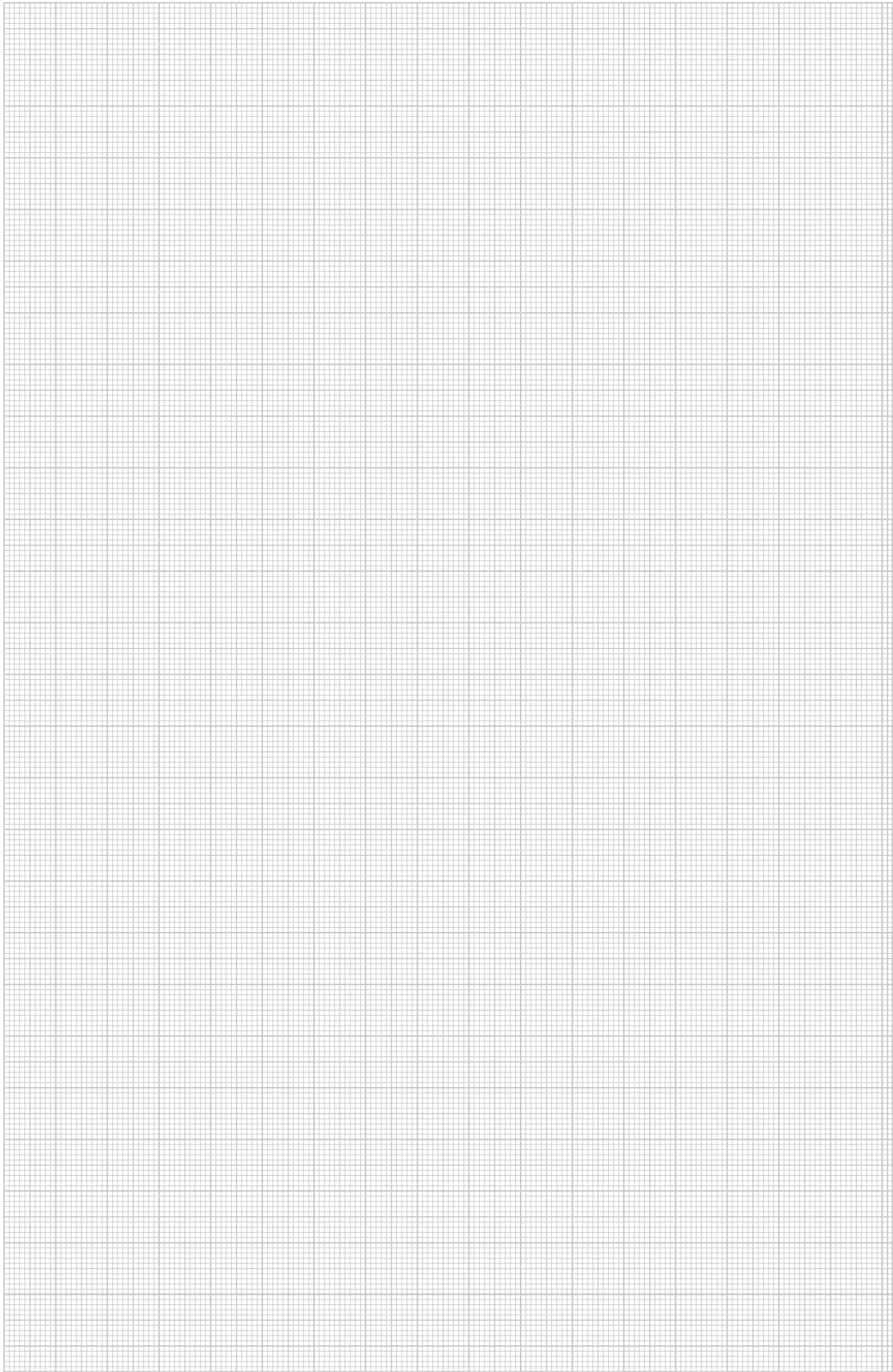
### Switch installation, rotated through 90°

For vertical switch installation in service poles with 45 mm system opening, the adapter of type AD-90G M45 is also required. The adapter is inserted from below in the pole profile into the locking fastening of the switch and then engaged.



### Device connection, electronic accessories

The electrical connection is made using integrated screw terminals, designed for rigid and flexible cables with a cross-section of 2.5 mm<sup>2</sup>. The intended top, e.g. a room thermostat as shown, is attached to the relay insert.





Today, we cannot picture offices without data networks. A high level of flexibility is required for device installation. Thus the combination of connection modules and the Modul 45 data technology support is the right choice. All the connection modules for copper and fibre optic cabling can be installed in the Modul 45 support. A comprehensive range of Modul 45 data technology supports is available for the installation of connection modules of various data technology manufacturers.

# Planning aids, Modul 45® systems, data technology solutions



Data technology connection modules for Modul 45®	30
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## Data technology connection modules for Modul 45®



Connection module Cat. 5e, unshielded



Connection module Cat. 5e, shielded



Connection module Cat. 6, unshielded



Connection module Cat. 6, shielded



Connection module Cat. 6A (ISO), unshielded



Connection module Cat. 6A (ISO), shielded

### Perfect interplay

#### Change becomes everyday

Networks are coming together in modern offices. OBO solutions enable you to simply integrate highly sensitive PC electronics and communication devices into standard switch installations. The result is an aesthetic system, with the data technology being harmoniously matched to the Modul 45 product range.

OBO data technology connection modules offer the maximum of installation comfort and are the right choice if you want reliability and safety. The Cat. 5e connection modules are suited to both speech and data applications and are suitable for transmission frequencies of up to 100 MHz. The Cat. 6 connection modules are suited to speech and rapid data applications and are suitable for transmission frequencies of up to 250

MHz. The Cat. 6A connection modules are designed for 10 gigabit Ethernet (10GBASE-T) and for future high speed applications of up to 500 MHz.

#### Flexible

No matter which connection modules you use: For all the modules, there is a suitable Modul 45® data technology support. Cat. 5e and Cat. 6 connection modules are accepted by the data technology support, type RM. The Cat. 6A connection modules are equipped with the standard Keystone fastening system and fit in Type C data technology supports.

#### Ready for the future

When carrying out system restructuring work, only the connection modules need be replaced with the appropriate Modul 45® data technology support.

#### Guarantees

When you carry out an installation

with the OBO (R&M) components, we give a five-year guarantee on the products, a twenty-year guarantee for the system and a lifetime guarantee for the applications.

## Universal data technology support for Modul 45®



### Universal support suitable for all applications

OBO offers two universally usable data technology supports for device installation with data modules: with straight connection direction and with slanting outlet. Both supports possess system fastening on all four sides and can thus be used in the wall trunking or in an installation column. The data outlets are always arranged horizontally. Connection cables can be attached simply and safely and do not impede each other.

### Safety

Integrated dust protection flaps cover the modules when unused and protect them against dust and other outside influences. When in use, the flaps are pushed up, and they close again automatically when the connection cable is removed.

### Labelling panel

Both supports are supplied with labelling panels with a transparent cover. The labelling panel is de-

signed for strip labels of up to 12 mm width.

### Flexible use

The data technology support consists of two components which are combined under a single order number. The base support assumes the function of installation in the system environment whilst the system-specific module support accepts the data modules. Each data technology support can accept up to two data modules. Both versions of the Universal data technology support are available for standard data modules.



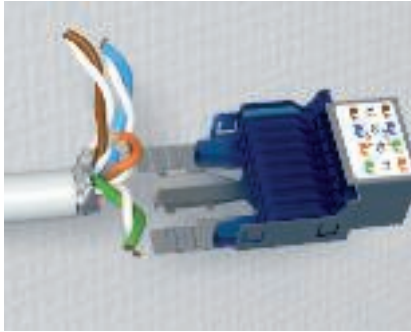
## Overview table, installation of data technology modules from different manufacturers

Manufacturer	Data technology module	Data technology support
3M	Volition K6	Type C (without dust protection slider)
3M	Volition K10	Type C (without dust protection slider)
3M	Volition CAT6A	Type C (without dust protection slider)
AMP/Tyco	SL Series 110Connect (without dust protection cap)	Type A
AMP/Tyco	SL Series Toolless (without dust protection cap)	Type A
Avaya/Systimax	M series	Type F
Brand-Rex	Modules with the item number ending ...JAKS000CR	Type A
Brand-Rex	Modules with the item number ending ...JAKU002	Type A
BTR Netcom	Cat.6A module (module design)	Type B
BTR Netcom	UTP module (module design)	Type B
BTR Netcom	Cat.6A module (Keystone design)	Type C
BTR Netcom	E-DAT module (Keystone design)	Type C
BTR Netcom	UAE module (Keystone design)	Type C
Corning	Modules with Keystone retainer	Type C
Dätwyler Cables	MS module	Type B
Dätwyler Cables	MS-N module	Type B
Dätwyler Cables	KS-T module	Type C
Dätwyler Cables	MS-K module	Type C
Dätwyler Cables	KU-T module	Type C
EKU	E-Stone module	Type C
Harting	Prelink Keystone Cat.6	Type C
Leoni Kerpen	MegaLine Keystone Cat.6A	Type C
Leoni Kerpen	ELine 500 plus (without dust protection flap)	Type EP
Lexcom/Schneider	LexCom 125	Type LE
Lexcom/Schneider	LexCom 250	Type LE
Lexcom/Schneider	LexCom 500	Type LE
Nexans	LANmark RJ45 with blue adapter clip	Type A
Nexans	LANmark GG45 with metal clip	Type A
OBO Bettermann	Connection module, type ASM-C6A	Type C
OBO Bettermann	Connection module, type ASM-C6A G	Type C
OBO Bettermann	Connection module, type ASM-C5	Type RM
OBO Bettermann	Connection module, type ASM-C5 G	Type RM
OBO Bettermann	Connection module, type ASM-C6	Type RM
OBO Bettermann	Connection module, type ASM-C6 G	Type RM
Panduit	Mini-Com	Type PA
R&M	Cat.6A module with Keystone fastening	Type C
R&M	Cat.5 and Cat.6 modules without support plate	Type RM
Rutenbeck	UM module	Type C
Rutenbeck	Umflex module	Type C
SETEC	UKJ module	Type C
SETEC	XKJ module	Type C
Telegärtner	AMJ module	Type C
Telegärtner	UMJ module	Type C





# Mounting aid, data technology connection modules Cat. 5e and Cat. 6



**Device connection – cable preparation**  
Remove the outer jacket of the data technology cable and, if necessary, the insulation to a length of 50 mm.



**Device connection – strain relief**  
Attach the cable to the cable seat and relieve the strain using the enclosed cable ties. With shielded cables, ensure that the contacting strap is connected to the shield.



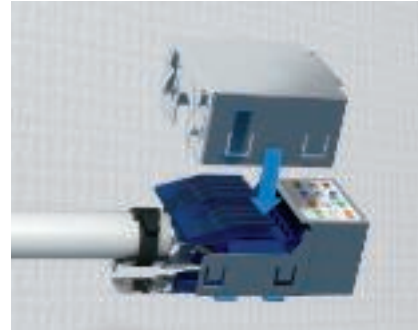
**Device connection – cable sorting**  
Attach the individual wires according to the connection table and fix them using the contacting terminal.



**Device connection – shorted cable excess**  
Cut off the excess cable length with cutters.



**Device connection – cable attachment**  
Place the contacting bracket on the connection module and lock it in place. The cable is connected.



**Device connection - Mounting shield hood**  
The shield hood is placed on the connection module from the top and engaged. The shield hood is only used for shielded connection modules.



**Device installation in data technology support**  
Insert the complete data technology connection module into the data technology support from behind. For this, insert the support plate of the connection module into the seat and lock it in place.



**Device installation in system environment**  
Simply lock the data technology support into the system environment. The locking fastening is suitable for horizontal and vertical device installation.



**Mounting of Snap-In fastening frame**  
Attach the Snap-In fastening frame to the connection module from the front and lock it in place. The Snap-In fastening frame allows the installation of the data technology modules in underfloor systems using a mounting support or support plate with a mounting opening 19.3 x 14.8 mm (Type C).



# Mounting aid, data technology connection modules Cat. 6A



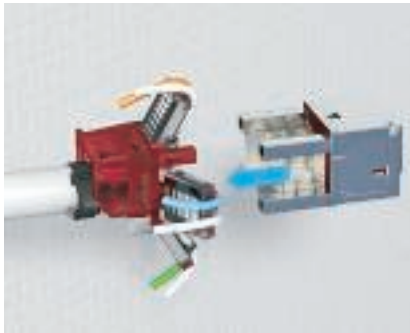
**Device connection - cable preparation**  
Remove the outer jacket of the data technology cable and, if necessary, the insulation to a length of 50 mm.



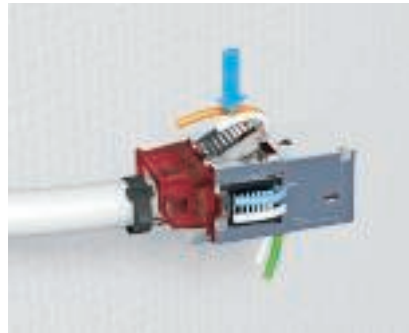
**Device connection - strain relief**  
Lay the cable in the switch body and connect the cable seat. Then relieve the strain using the enclosed cable ties. With shielded cables, ensure that the contacting strap is connected to the shield.



**Device connection - cable sorting**  
Sort the individual wires according to the connection table and fix using the fixing terminal.



**Device connection - assemble module**  
Assemble the switching and socket bodies and lock them in place. Mark the two components to aid mounting.



**Device connection - cable attachment**  
Place the contacting flaps on the socket body and engage them. On contacting, the cable overlengths are cut off by additional cutting terminals and should be removed.



**Device connection - mounting fastening frame**  
Attach the Keystone fastening frame to the connection module from the front and lock it in place.



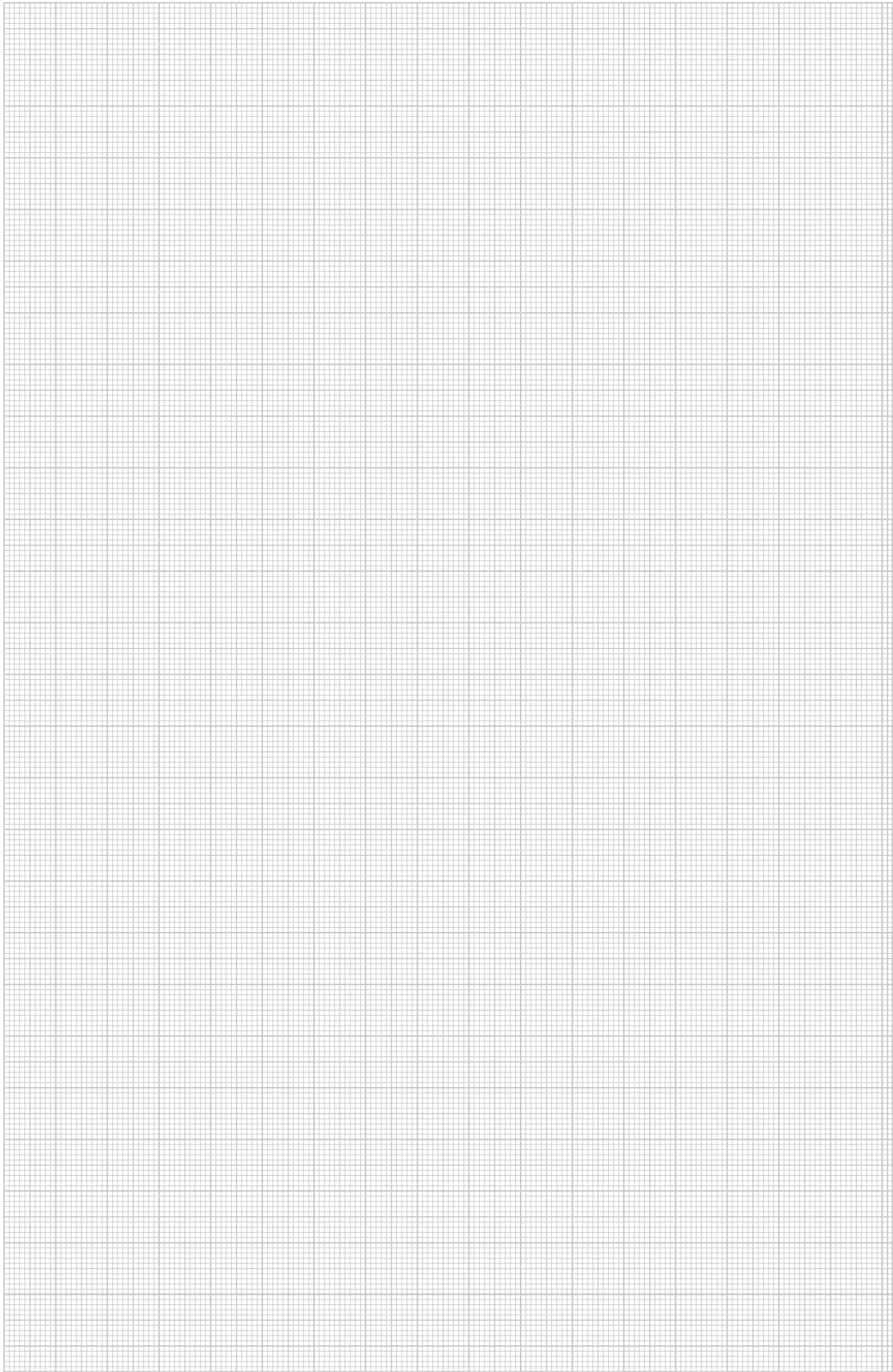
**Device connection - lock on shield housing**  
The shield housing is placed on the connection module from the rear and engaged. The shield housing is only used for shielded connection modules.



**Device installation in data technology support**  
Insert the complete data technology connection module into the Type C data technology support from behind and engage it.



**Device installation in system environment**  
Simply lock the data technology support into the system environment. The locking fastening is suitable for horizontal and vertical device installation.







# Tidy integration of multimedia connections into the Modul 45® system environment

Planning aids, Modul 45 multimedia system





#### Connection solutions:

- Soldered connection (for Cinch, mini jack, XLR)
- Screw connection (for VGA, DSub9, HDMI, DVI, USB)
- 1:1 coupling (for Cinch, BNC)
- Connection cable (for VGA, DSub9, HDMI, DVI, USB)

With the multimedia connection system, computer, video and audio connections can be installed in the different OBO system environments. Whether under floors or in a device installation duct, the Modul 45® support plate permits simple and quick mounting.

#### Tidily mounted connections without cables laying around

High-quality Modul 45® connection panels in the normal standard colours ensure perfect appearance.

#### For all standard multimedia applications

The system permits the integration

of all standard systems: VGA, DSub9, HDMI, DVI, USB, mini jack, BNC, Cinch for Audio and Video, XLR. A version without plug connector is available for construction-side equipment (VGA, DSub9, DVI, XLR).

#### Practical details

Whether you are routing preterminated cables or standard installation cables, we have the right connection solution for every standard connection type. Choose between a straight and a slanting cable exit. The locking fastening on four sides makes both horizontal and vertical device installation possible.



The Modul 45 range can also display its benefits in terms of functions and ease of mounting in concealed and cavity wall applications. Using optimised additional components, the system can be adapted to any environment, thus achieving space-saving device installations of between  $\frac{1}{2}$  and 3 module widths.

Depending on the version, the Modul net system can be installed on the surface of the wall or in a concealed fashion in cavity walls.

The modular structure of the system allows flexible device installation starting with the basic configuration for 4 Modul 45 accessories, which can be combined with the expansion module for two Modul 45 accessories according to requirements.



## Planning aids, Modul 45® systems, device installation solutions for concealed and surface-mounted systems



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## Concealed and cavity wall installation with Modul 45®



### Lots of options for concealed and cavity wall solutions

OBO offers two systems for device installation in the concealed and cavity wall areas, which allow the installation of Modul 45 accessories. The systems are matched and designed to the various installation requirements and practices. Be it individual device installations, a switch/socket combination or the installation of a multiple socket, the right installation material is available for any requirements.

### Standard device installation for Modul 45

The system components are designed for the installation of individual installation accessories. With device combinations, the individual accessories are mounted in a combination spacing of 71 mm. Besides the standard accessory sockets, two support plates with screw fastening or fastening claws and the appropriate cover frames are available in the widths ½ module and 1/1 module. Additional cover frames in 2 x 1/1 and 3 x 1/1 module width for the combination of multiple standard accessory sockets round off the offer.

### Device installation system for Modul 45

The components of the device installation system are designed for the installation of multiple sockets and for device combination in one accessory socket. They consist of system accessory sockets and support plates in the module widths 1½x, 2x and 3x. Lockable cover frames for the width ½ module, 1/1 module, 1½ modules, 2 modules and 3 modules allow any combination of different Modul 45 components.

## Modal net – surface-mounted and cavity wall installation with Modul 45®



### Modular structure and versatile use

The Modal net surface-mounted and cavity wall installation system has a compact design and offers the maximum of flexibility for electrical installations. The housing grows, and the modular system structure means that any number of device installations can be installed in a single housing. The basic configuration, consisting of two single housings (right and left side), offers space for four Modul 45 accessories. This basic configuration can be expanded as required using the expansion modules. The required expansion modules are simply placed between the individual houses of the basic configuration and locked into place.

### Surface installation

The housing is simply mounted on the wall at the required location. The cables are usually infed via line routing ducts, which run directly into the housing.

### Cavity wall installation

For cavity wall installation, the appropriate installation material, consisting of the cavity wall support and panel frame, is also required. The cavity wall support is placed in the wall opening and is used to accept the Modal net housing. For a tidy wall, the appropriate screen frame is locked on after installation. Cavity wall installations starting with a double version (basic configuration) up to a 6x version are possible.



## Mounting aid for Modul 45® systems, concealed installation



**Accessory mounting box installation**  
Concealed devices and connection sockets can easily be plastered into masonry of all kind.



**Combination of concealed sockets**  
The accessory sockets and the device connection boxes can be interconnected using their tunnel supports. The combination spacing is 71 mm.



**Device connection sockets**  
Device connection sockets have a total compartment volume for the installation of an installation device and also space for at least three connection terminals.



**Signal cover**  
Before plastering, place the signal cover on the device or connection sockets. They prevent soiling of the socket interior and simplify finding the sockets again after plastering.



**Standard device installation for Modul 45 in concealed sockets**  
Ready-placed device and connection sockets for standard installations with 71 mm combination spacing can now be equipped with Modul 45 devices.



**System device installation for Modul 45 in concealed sockets**  
Ready-placed accessory sockets for Modul 45 system device installation can now be equipped with Modul 45 devices.

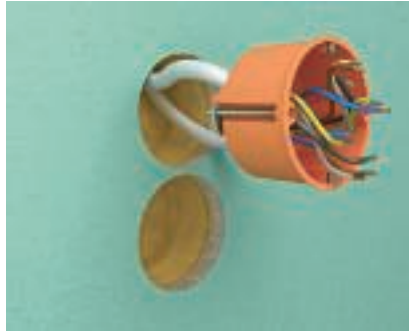


## Mounting aid for Modul 45® systems, cavity wall installation



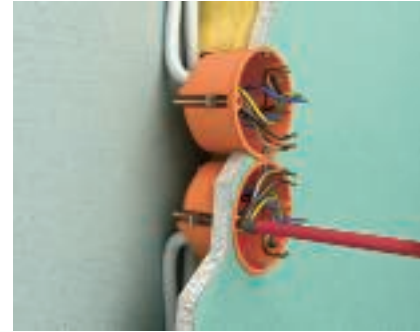
### Preparation of mounting hole

Draw on the centre of the hole and cut out a drill hole of 68 mm using a circular band saw. With combination mounting, maintain the standard hole spacing of 71 mm and create a second hole vertically or horizontally to the first one.



### Installation of accessory socket

Cables and/or pipes are inserted in advance and are automatically clamped tight. Then place the accessory sockets in the drill hole.



### Fastening the cavity wall sockets

The accessory sockets are fixed in the drill hole using a screwdriver and fastening screw. The small holding plates on the rear side of the boxes provide the necessary hold.



### Preparation of mounting hole of multiple accessory sockets

When using a double accessory socket or system accessory socket, two holes are drilled in advance with the prescribed hole spacing and a diameter of 68 mm. The rest is cut out with a knife.



### Mounting of multiple accessory sockets

Cables and/or pipes are inserted in advance and are automatically clamped tight. Then place the accessory sockets in the drill hole.



### Standard device installation for Modul 45 in cavity wall sockets

Ready-placed device and connection sockets for standard installations with 71 mm combination spacing can now be equipped with Modul 45 devices.



### System device installation for Modul 45 in cavity wall sockets

Ready-placed accessory sockets for Modul 45 system device installation can now be equipped with Modul 45 devices.





## Mounting aid for Modul 45® systems, Modal net, surface-mounted installation



### Create a cable gland

Cut out the necessary cable glands and duct connection on the side of the housing base.



### Housing configuration

Create the necessary housing size from the basic configuration and additional expansion modules. The housing bases are interconnected and locked in.



### Housing mounting

Using the fastening holes in the rear wall, fasten the prepared housing base to the wall.



### Cable strain relief device

Pull the installation cables through the cable gland and relieve the strain on the housing base.



### Device installation

Modul 45 accessories can be locked into the cover frame and the connection work carried out.



### Mounting of cover frame

Place the pre-installed cover frame on the housing base and lock it in place.



### Surface installation

Surface-mounted installation is complete. Changes and extensions to the installation are very easy on account of the modular system structure.

# Mounting aid for Modul 45® systems, Modal net, cavity wall installation



**Housing configuration**  
Create the necessary housing size from the basic configuration and additional expansion modules. The housing bases are interconnected and locked in.



**Create a cable gland**  
Cut out the necessary cable glands in the rear panel area.



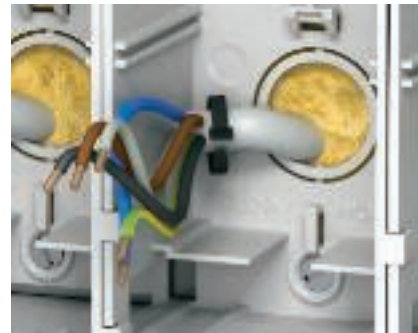
**Mounting of cavity wall support**  
Insert the cavity wall support in the prepared mounting opening.



**Mounting of cavity wall support**  
Place the supplied clamping pieces in the pre-specified seat at the side and screw them tight.



**Housing mounting**  
Insert the prepared housing base into the cavity wall support and connect the rear panel with the supplied fastening screws.



**Cable strain relief device**  
Pull the installation cables through the cable gland and relieve the strain on the housing base.



**Device installation**  
Modul 45 accessories can be locked into the cover frame and the connection work carried out.



**Mounting of cover frame**  
Place the pre-installed cover frame on the housing base and lock it in place.



**Cavity wall installation**  
Place the screen frame on the cavity wall support and lock it in place. Cavity wall installation is complete.







# Planning aids, Modul 45® systems, device installation solutions for Rapid 80 and ISS



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## The perfect combination: Modul 45® device installation in cable routing systems with 80 mm installation opening



**Device installation systems allow mounting of Modul 45® devices in Rapid 80 device installation ducts and ISS service pole systems with an 80 mm mounting opening.**

### System structure

The flexible system offers standardised installation of Modul 45® devices. All the system components are equipped with self-locking fastening elements, allowing the installation engineer to install devices quickly and safely. To meet all the different installation requirements, we can offer multiple sizes of service units and mounting supports with the matching cover frames for horizontal and vertical installation.

### New options for device labelling

If device labelling is required, then the cover frames with a labelling panel are used. The labelling panel is locked directly onto the service unit or the mounting support

and, depending on requirements, can be fastened on all four sides of the service unit or mounting support. Advantage: With installations at a later date, the labelling remains at the installation location. There is no need for lengthy allocation during assembly.



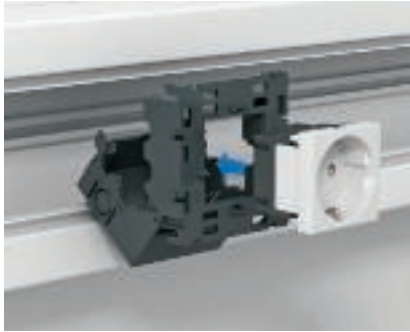


#### Advantages at a glance

- New design
- Single, double and triple
- Continuous locking fastening for rapid installation
- Labelling panel on the service unit
- Vertical or horizontal installation possible
- Additional colour: RAL 7021



## Mounting aids for Rapid 80 with Modul 45



### Device installation - device mounting

The device is inserted and engaged in the service unit before accessories are connected.



### Device installation - cable connection

The cable can be connected. There are recesses on both sides for standard connection cables, through which the cable can be fixed.



### Through wiring in 71GD8

For simple, safe pass-through wiring, up to two 3-pin screwless terminals of Type "61 325" can be optionally inserted in a service unit.



### Device installation - engagement of fastening straps

For secure, permanent fixing, the locking fastenings of the service unit are aligned using a screwdriver.



### Device installation - mounting labelling panel

The labelling panel can be mounted on any side of the service unit.



### Device installation - mounting the cover frame

Attach the cover frame to the service unit and engage it.



### Device installation in Rapid 80

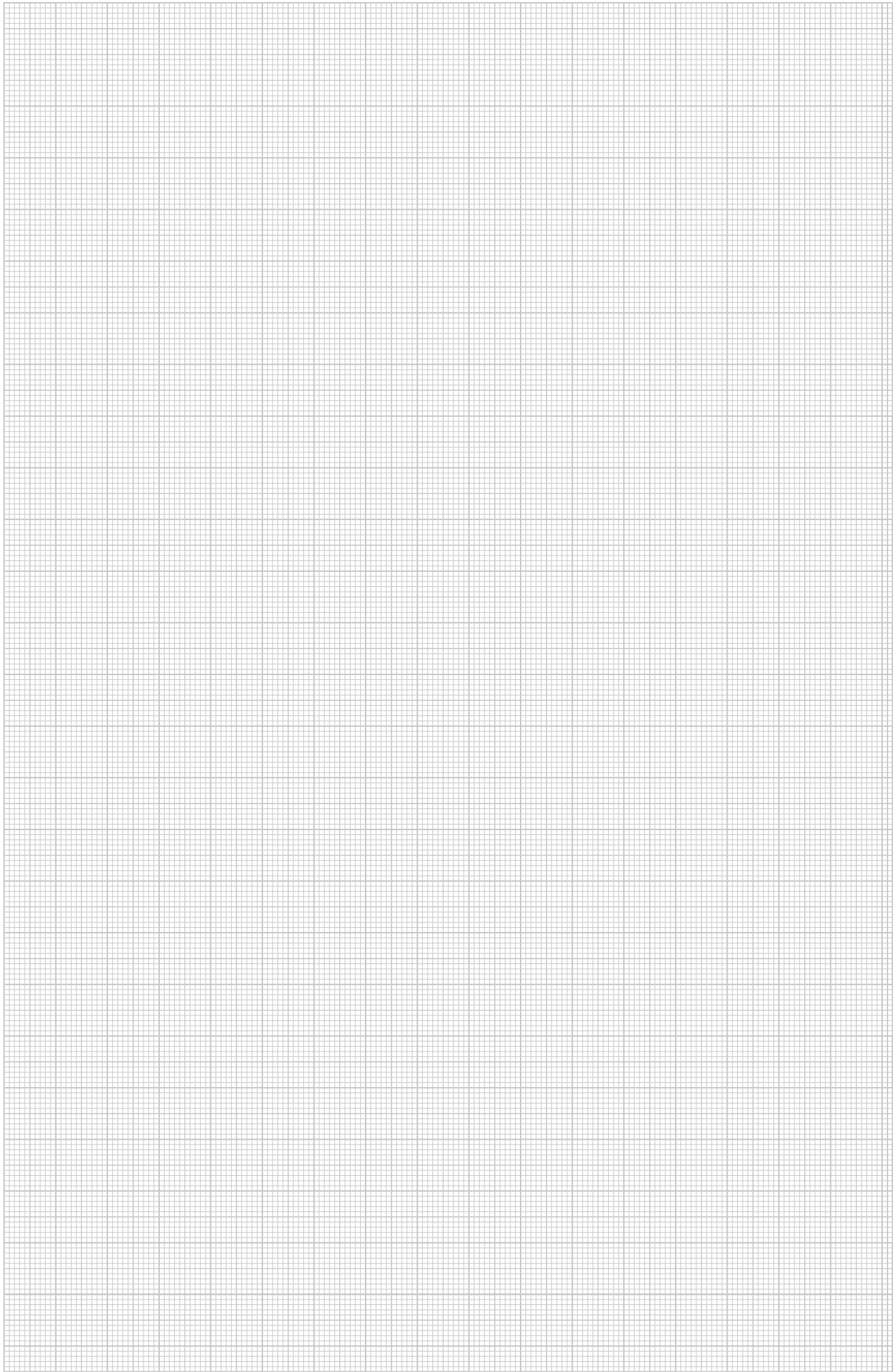
Device installation is complete when the duct covers have been positioned.



### Device installation in ISS

The same mounting steps should be applied for service poles as for duct installation.







High-quality material, elegant design and variable installation options: OBO Deskboxes can prove themselves both in the standard and special designs through their appearance and versatility.

## Planning aids, workplace systems, Deskboxes and Flexkanal



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## Deskbox DB: good and flexible



*Flexible table mounting with fastening clamp*



**High-quality aluminium, slim design and variable installation options**

### **Versatile**

The Deskbox DB can score both in the standard and special designs through its appearance and versatility. The box, made of high-quality aluminium, can be positioned anywhere on the workplace, thus offering a range of design options.

### **Standard versions**

OBO can offer various pre-terminated and ready-for-connection versions of the Deskbox for standard workplace requirements – including network connection cables.

### **Surface variants**

The Deskbox DB is supplied as standard with the surface anodised silver. Other anodised surfaces are possible for larger orders.





Fixed table mounting with stainless steel fastening stand

### Individual versions

Alternatively, the train profile can be equipped according to your requirements, and a comprehensive range of installation units and accessories are available for this. These range from country-specific sockets, through data technology and protection modules, right up to multimedia connections. The individual Deskbox is then supplied as a tested and ready-to-connect unit with a network connection cable.

Please note that the equipment components cannot be ordered individually.

You can find the configuration form on the following pages or at [www.obo.de](http://www.obo.de).



Fixed table mounting



Fixed under-table mounting



## Ordering procedure for Deskbox DB

### Select housing colour (please check)



Anodised silver (standard)



Special colour anodised (on request)

### Select the fastening type



Fastening clamp



Stainless steel fastening stand



Fastening set for table mounting



Free erection without fastening



Fastening set for under-table mounting

### Energy technology: Cable length specified

- 3 m (standard)
- 5 m
- Special length on request

### Energy technology: Specify connection type

- Cable with angular connector CEE7/7 (for protective contact and earthing pin sockets)
- Cable with Wieland connector GST18
- Cable without connector, with wire end sleeves
- Cable with country-specific connector (on request)



**Energy technology: Specify cable version**



At side (max. 2 per side)



At bottom (any)



Wieland connection at side (max. 1 per side)

**Data technology / multimedia: Specify cable version**



At bottom



At side

**Specify equipment and circuits (please enter)**

Type	Quantity	Additional information



## Mounting aids for DB Deskbox



### Preparation of fastening clamps

The appropriate fastening clamps are placed on the tabletop and screwed down.



### Dismantling of the design panel

The first step for the cable connection of the data technology components is the removal of the design cover.



### Dismantling of the housing cover

Open the housing cover located under the design cover.



### Data technology connection

Simply connect the data technology couplings using standard universal cables.



### Mounting of the housing cover

When the connection work has been completed, the housing cover is reattached and screwed down tight.



### Cable connection, energy technology

The energy technology of the Deskbox is always equipped ready for connection and tested according to VDE directives. There is no need to remove the device cover on the energy side.



### Preparation of Deskbox fastening

The fastening elements of the fastening clamps are inserted into the housing profile from the side. A Flexkanal holder can also be mounted as an option.



### Fixing of the Deskbox fastening

The aligned fastening elements are fixed using a screw.



### Mounting of the Deskbox on the fastening clamp

Simply insert the premounted Deskbox into the fastening clamps from above.





**Mounting of the design panel**

When the mounting work has been completed, reattach and engage the design panel.



**Flexkanal fastening on Deskbox**

The supply lines can be bundled using a Flexkanal and can be fastened on the pre-mounted Flexkanal holder.



**Deskbox mounting with fastening clamp**

The Deskbox with fastening clamps is ready-mounted and ready for use.



**Preparation for fastening stand mounting**

Drill holes (Ø 16 mm) in the tabletop are required to mount the fastening stands.



**Mounting of the fastening stands**

The fastening stands are inserted into the mounting drill hole and screwed tight.  
Note: Can be used in tabletops of up to 50 mm thickness.



**Mounting of the Deskbox on the fastening stand**

Push the Deskbox onto the fastening stands from the side. The design panel must be removed in advance.



**Deskbox mounting with fastening stand**

The Deskbox with fastening stands is ready mounted and ready for use.



**Preparation for fastening set, table mounting**

Drill holes (Ø 10 mm) in the tabletop are required to mount the fastening set.



**Pre-mounting of the fastening set, table mounting**

The fastening elements are inserted into the mounting drill hole.  
Note: The supplied fastening screws (M4 x 40 mm) can be used for tabletops of up to a maximum thickness of 32 mm.





**Mounting of the Deskbox on the fastening set, table mounting**  
 Push the Deskbox onto the fastening element from the side. The design panel must be removed in advance.



**Finished mounting of the fastening set, table mounting**  
 After the Deskbox has been positioned, the fastening element is screwed down tight.



**Deskbox mounting with fastening set, table mounting**  
 The Deskbox is ready-mounted and ready for use directly on the tabletop.



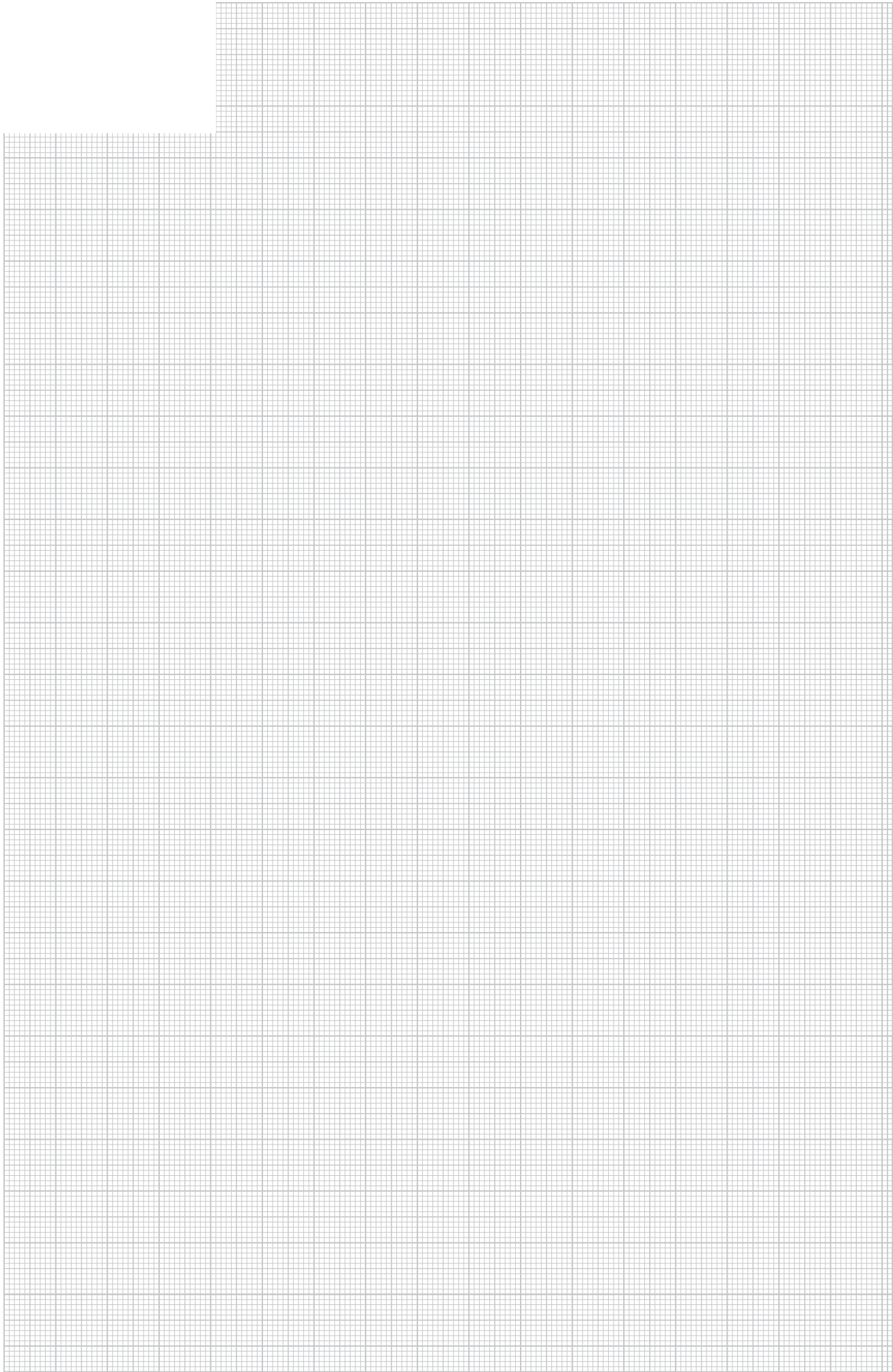
**Mounting of the fastening set, under-table mounting**  
 The fastening elements are fastened to the tabletop using the wood screws contained in the scope of delivery.



**Mounting of the Deskbox on the fastening set, under-table mounting**  
 Push the Deskbox onto the fastening element from the side. The design panel must be removed in advance.



**Deskbox mounting of the fastening set, under-table mounting**  
 The Deskbox is ready-mounted and ready for use under the tabletop.



## Gone in a flash. The lowerable Deskbox DBV



*DBV, anodised silver surface*

**Let power and data simply vanish into the recess. If necessary, the Deskbox DBV can simply be pulled out - the appropriate plug connections are then easy to reach.**

### **Standard versions**

OBO can offer various pre-terminated and ready-for-connection versions of the DBV Deskbox for standard workplace requirements – including network connection cables.

### **Surfaces**

The Deskbox DBV is supplied as standard with the surface anodised silver. The following variants are available on request:

- Coloured as old brass
- Chrome-plated
- Black anodised







Sunken DBV



#### Cover varianta

The standard cover is painted and painted silver or is made of solid stainless steel. On request, you can also obtain it in

- Plastic, painted black
- Steel, chrome-plated
- Coloured as old brass

#### Individual versions

Alternatively, the DBV Deskbox can be equipped according to your requirements, and a comprehensive range of installation units and accessories are available for this. These range from country-specific sockets, through data technology and protection modules, right up to multimedia connections. The individual Deskbox is then supplied as a tested and ready-to-connect unit with a network connection cable. Please note that the equipment components cannot be ordered individually. You can find the configuration form on the following pages or at [www.obo.de](http://www.obo.de).



## Ordering procedure for Deskbox DBV

### Select housing colour (please check)



Standard design  
 Anodised silver (standard)



On request  
 Coloured as old brass  
 Chrome-plated  
 Black anodised

### Select cover colour



Standard design  
 Plastic, painted silver  
 Stainless steel, solid



On request  
 Plastic, painted black  
 Steel, chrome-plated  
 Plastic, coloured as old brass  
Painted

### Energy technology: Cable length specified

- 3 m (standard)
- 5 m
- Special length on request

### Energy technology: Specify connection type

- Cable with angular connector CEE7/7 (for protective contact and earthing pin sockets)
- Cable with Wieland connector GST18
- Cable without connector, with wire end sleeves
- Cable with country-specific connector (on request)

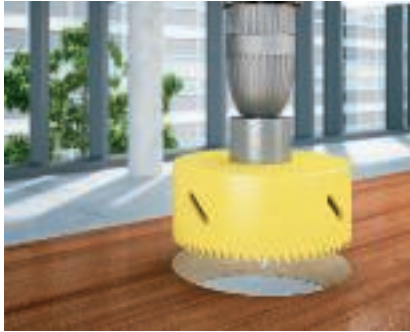


**Specify equipment and circuits (please enter)**

Type	Quantity	Additional information



## Mounting aids for DBV Deskbox



### Preparation for Deskbox mounting

A mounting opening of  $\varnothing$  102 mm is required for installation.. A suitable circular band saw is available as an accessory for the installation of the Deskbox.

Note: Can be used in tabletops of up to 50 mm thickness.



### Inserting the Deskbox

Insert the Deskbox without fastening ring into the mounting opening.



### Fastening the Deskbox

Place the fastening ring on the Deskbox from below and screw it down.



### Fixing the Deskbox

The Deskbox is fixed using wood screws to ensure secure mounting.



### Completion of Deskbox mounting

The Deskbox is mounted and, when closed, is almost flush with the tabletop.



### Application information for Deskbox DBV

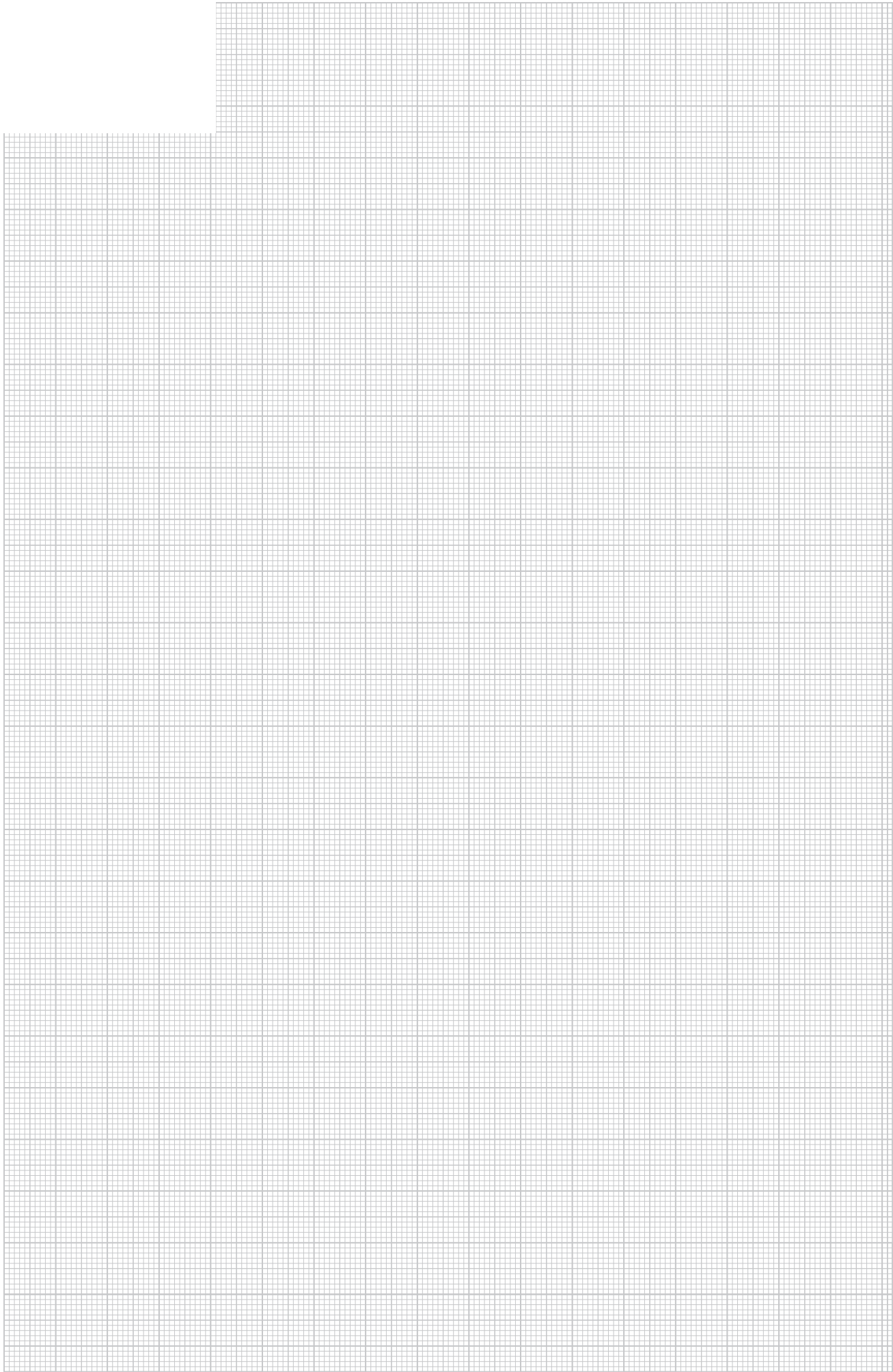
The use of angular connectors means that the Deskbox DBV can be lowered without any trouble. Straight connectors can only be used when the Deskbox is extended.



### Cable outlet of the DBV Deskbox

When the Deskbox is lowered, the cable is outlet through the integrated folding function of the cover.





## A great package. The foldable Deskbox DBK



*Fixed stainless steel table installation, foldable*

**Workplaces, conference tables - the range of applications of the foldable Deskbox DBK is huge. No matter whether for laptops, beamers or PCs: connection is as easy as you'd expect. Open the flap, insert the connector, close the flap. The integrated brush bar allows tidy running out of the cables.**

### **Device installation widths**

The Deskbox DBK is available in three widths. This results in the following device installation widths for equipment:

- 150 mm
- 200 mm
- 300 mm

### **Surface variants**

The Deskbox DBK is supplied as standard with the surface brushed stainless steel. The following variants are available on request:

- Painted black
- Painted in special colours





### Standard versions

OBO can offer various pre-terminated and ready-for-connection versions of the DBK Deskbox for standard workplace requirements. The network connection cable is preinstalled.

### Individual versions

Alternatively, the DBK Deskbox can be equipped according to your requirements, and a comprehensive range of installation units and accessories are available for this. These range from country-specific sockets, through data technology and protection modules, right up to multimedia connections. The individual Deskbox is then supplied as a tested and ready-to-connect unit with a network connection cable.

Please note that the equipment components cannot be ordered individually.

You can find the configuration form on the following pages or at [www.obo.de](http://www.obo.de).



# Deskbox DBK, ordering procedure

## Select housing colour (please check)



- Brushed stainless steel (standard)
- On request
- Painted black
- Painted in special colours

## Energy technology: Cable length specified

- 3 m (standard)
- 5 m
- Special length on request

## Energy technology: Specify connection type

- Cable with angular connector CEE7/7 (for protective contact and earthing pin sockets)
- Cable with Wieland connector GST18
- Cable without connector, with wire end sleeves
- Cable with country-specific connector (on request)

## Specify equipment and circuits (please observe device installation widths 150/200/300 mm)

Type	Quantity	Additional information





# Mounting aids for DBK Deskbox



**Preparation for Deskbox mounting**  
A rectangular mounting opening is required for Deskbox installation. The appropriate installation dimensions can be found in the mounting instructions.



**Inserting the Deskbox**  
Insert the Deskbox into the mounting opening from the top.



**Preparing Deskbox fastening**  
The fastening hole strips located on the Deskbox are bent over the fixing rail contained in the scope of delivery.



**Fastening the Deskbox**  
The Deskbox is fastened to the tabletop with four wood screws. Ensure that the screws are always screwed in directly next to the fixing rails.



**Data technology connection**  
Simply connect the data technology couplings using standard universal cables. There is no need to screw on the Deskbox.



**Adjustment of cover resistance**  
The resistance or movement of the cover is adjusted using two adjusting screws on the lower side of the Deskbox.



**Completion of Deskbox mounting**  
The Deskbox is mounted and, when closed, is almost flush with the tabletop.



**Application information for Deskbox DBK**  
The Deskbox DBK can also easily be closed using the connected connectors.



**Cable outlet of the DBK Deskbox**  
When the Deskbox is closed, the cable is outlet through an integrated brush bar.





How can you plan and locate workstations freely and without restrictions? Discover a new freedom with IAS®.

# Planning aids, workplace systems, IAS® system



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## IAS® makes workstations independent



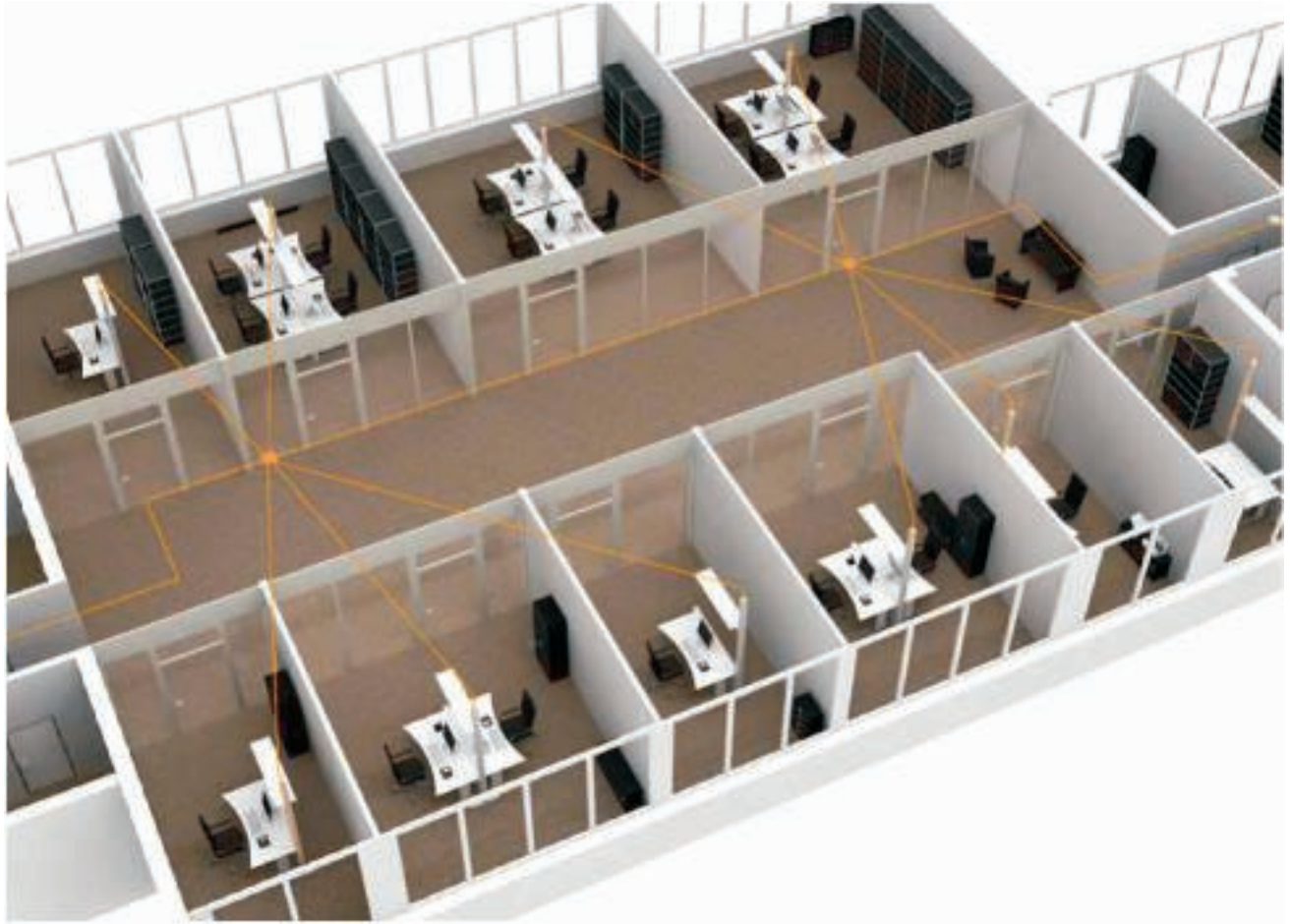
Planning aids, IAS system

**OBO has redefined the interface – and created a unique symbiosis of buildings and workstations.**

Fixed installations are reduced to a minimum and the costs lowered considerably. IAS unifies light, power and air-conditioning into a complete, long-lasting system – the intelligent workstation system from OBO.



## Economic in first fitting. Flexible and low costs on changes of use



*Building use with individual offices*

### **Reduction of the technical building infrastructure to a minimum**

In recent years, the requirements placed on commercial buildings have grown enormously. In particular, with regard to workstations, there is a demand for flexibility and reversibility. Even during planning, actions must be taken for the future in order to permit later adaptations and possible unknown changes.

### **Out of the wall**

IAS can turn single-room offices into functioning open plan offices with ease – and vice-versa. As the fixed cabling in the building is reduced to a minimum, the changes take place almost solely at the workstation, and not in the building itself.

## Consolidation Points as a new interface to the building



*Building use as an open plan office*

Intelligent, forward-thinking building technology planning, together with workstation planning, creates IAS connection points all over the building - so called Consolidation Points (CP). They minimise the fixed cabling in the building, providing, together with the IAS modules, the highest level of flexibility. And there are no new costs for building technology during restructuring measures. The spheres of activity of the Consolidation Points are almost unlimited. With just a few interfaces, it is possible to interconnect the workstations on whole floors.



## Intelligent down to the last detail

### System components

1	Light and cooling (optional)
2	Basic profile, height-variable
3	Optional sight protection
4	Body in two widths (160, 180 mm) and variable heights





## Intelligent down to the last detail



### Flexible

PC, telephone, printer, fax machine, light, air-conditioning ... The requirements for workstations are as varied and individual as the person working at them. One table module – a host of options: IAS is prepared for any challenge.

### Universal

At first, there is not a lot to be seen on the table module – and that is how it should be. Only when the easy-to-open sliding doors are opened, do they reveal the universal application options of IAS. Pre-installed and freely routable sockets are possible to the same extent. Rechargeable batteries and power units are given their rightful place here. And the mess of cables belongs to the past.

### Individual

Individual requirements, such as cable exits on desks and sockets, can be set up individually for each user using the modular profile system. Besides safety and efficiency, design is also important. PC compartments and cover profiles help to round things off.

All RAL colours are available on request.



The robust design and simple handling mean that energy distributors are essential wherever power and compressed air are required. The energy distributors can be suspended from the ceiling using a knotted chain and are thus always in the right location. The concentration of the energy sources directly at the workplace means that there are no interfering cables and hoses. This reduces the risk of accidents, and rationalisation at the workplace is improved considerably.

# Planning aid, industrial and special connector systems



Power supply units VH and VHF	84
Mounting aids, power supply units VH and VHF	85



## Power supply units VH and VHF



### All good things come from above Power supply units for power and compressed air

Often, supplying power to workstations in production and workshops is a difficult matter. The required power sources, such as heavy current and compressed air, come from central supply points, are run to the individual workstations and must then often be re-bundled. These supply lines are often easily missed and pose an additional risk at the workstation. Besides posing the risk of tripping, carelessly routed compressed air hoses or power cable extensions often cause transport problems and are sources of risk not to be underestimated, especially when rapid working routes are required.

OBO Bettermann can provide assistance here: With the space-saving type VH and VHF power supply units, problematic extension cables and hoses are a thing of the past. The solution is literally in the air and close at hand! The required compact, box-like distributors can be suspended from the ceiling using a knotted chain and thus freely positioned in the room. Thus OBO power supply units offer safe, rational working at the workstation.

### VH power supply unit

Under normal working conditions, the VH distributor is used for machining and mounting areas or in

car workshops.

To meet the necessary requirements, besides the freely equipable power supply units for four or eight devices, there is also a range of pre-equipped and pre-wired units available.

### VHF power supply unit

In work areas such as bakeries, industrial kitchens, abattoirs or laboratories, power supplies will be subjected to special requirements. This is a job for the VHF distributor. It allows a wide range of solutions, which are suitable for damp and wet areas up to a protection rating of IP44.

### The right accessories for every application

A comprehensive range of accessories complete the VH and VHF power supply units. It allows the installation of Modul 45 accessories, standard switching and connection devices, extension sockets with 38 x 38 mm fastening system, CEE connection units, protection units and much more. This means that there are no limits to the range of applications for power supply units. Heavy current, compressed air, data technology and even country-specific installation solutions are available wherever they are required.



## Mounting aid for power supply units VH and VHF



### Installation with knotted chain

Mounting with a knotted chain is a rigid installation and does not require any additional cable reserves. Shorten the knotted chain to the required length and fasten it using the pre-mounted eyelet on the housing cover.



### Installation with tension spring

With additional installations with a tension spring, always ensure flexible cable routing. The tension spring is usually used with compressed air for VH units and inserted directly in the fastening seat.



### Compressed air connection

The compressed air connection is designed for compressed air hoses 13 x 3.5 mm. The hose connection is fixed and locked using a hose clip.



### Cable entry

Cables are inserted using the pre-punched openings in the housing cover. Correct strain relief is achieved using the cable terminals integrated in the housing.



### VH device installation – Modul 45

The Modul 45 devices are inserted and locked into the appropriate cover plate. After connecting the cable, place the cover plate on the housing and fix it using two screws.



### VH device installation – support ring (EKR)

After cable connection, accessories with a support ring are screwed directly into the housing. The cover plate is fastened by mounting the central plate.



### VH / VHF device installation – expansion devices

Fasten expansion accessories for the 38 x 38 mm fastening system to the appropriate cover plate using the enclosed screws. After connecting the cable, place the cover plate on the housing and fix it using fastening screws.



### VH / VHF device installation – CEE

The connection of cables to a CEE connection unit must be carried out using a pre-mounted cover plate. During device mounting, the cover plate is fastened using four fastening screws.



### VHF device installation – IP44 socket

The IP44 socket is inserted and locked into the appropriate cover plate. After connecting the cable, place the cover plate on the housing and fix it using screws.





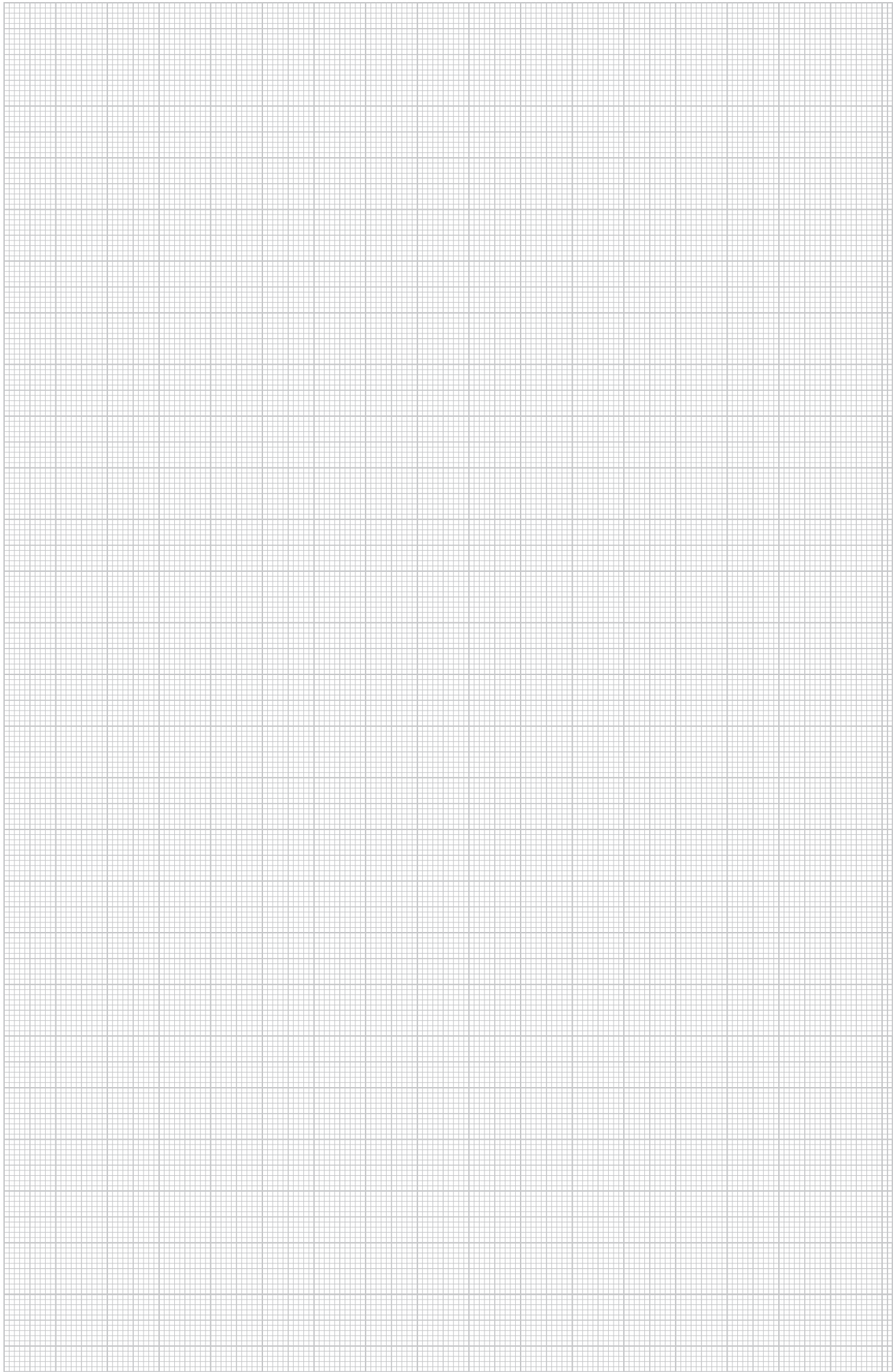
**VHF device installation – power supply unit**  
 In the first step, the appropriate support is pre-mounted using a PE terminal strip or N and PE terminal strip in the upper half of the housing. For this, the inner part of the fastening tracks must be completely removed.



**VHF device installation – power supply unit**  
 In the second step, the support bracket for the power supply unit is mounted in the lower half of the housing. Then the devices are connected and installed.



**VHF device installation – power supply unit**  
 In the third step, the transparent cover is placed on the cover plate and fastened with four screws. After that, mount the cover plate onto the equipped housing side using four screws.



## Test marks

	STOWARZYSZENIE ELEKTRYKÓW POLSKICH, Poland
	KEMA-KEUR, Netherlands
	Österreichischer Verband für Elektrotechnik, Austria
	Verband der Elektrotechnik, Elektronik, Informationstechnik e.V., Germany






# Pictogram explanation



## Surfaces

 FS	Strip-galvanised
 EL	anodised






## Conformity symbol

	Communautés Européennes, EC declaration of conformity according to EC directives
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## Quality marks

	Halogen-free; without chlorine, fluorine and bromine
	UV-RESISTANT







## Specific product symbols

	Diameter 60 mm
	Diameter 68 mm
	Protection device to DIN EN 61643-11 or IEC 61643-11
	Transition from LPZ 2 to LPZ 3
	Acoustic signalling

## Metals

 Alu	Aluminium
 VA	Stainless steel, grade 304
 St	Steel








## Plastics

 PA	Polyamide
 PC	Polycarbonate
 PE	Polyethylene
 PP	Polypropylene
 PS	Polystyrene
 PVC	Polyvinylchloride





## Modul 45® systems, sockets

	Protective contact socket	Direction of insertion 0° Direction of insertion 33°	92
	Socket with earthing pin	Direction of insertion 0° Direction of insertion 33°	93
	Socket with earthing pin, encoded version	Direction of insertion 0° Direction of insertion 33° Encoding pin	94
	Socket, Switzerland	Direction of insertion 0°	95
	Socket, Denmark	Direction of insertion 0°	95
	Socket, British Standard	Direction of insertion 0°	95
	Accessories	Strain relief Surge protection module	96

## Sockets, Modul 45®

### Socket 0°, protective contact, single

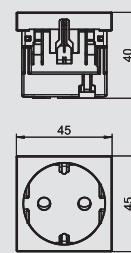


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-D0 RW1	Pure white	20	3.800		6117 00 1
SKS-D0 ROR1	Pure orange	20	3.800		6117 00 3
SKS-D0 MZGN1	Mint green	20	3.800		6117 00 5
SKS-D0 SRO1	Signal red	20	3.800		6117 00 7
SKS-D0 SWGR1	Black-grey	20	3.800		6117 00 8
SKS-D0 AL1	Aluminium painted	20	3.800		6117 00 9

PC Polycarbonate

/pc.

Power socket single 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 0°, protective contact, double

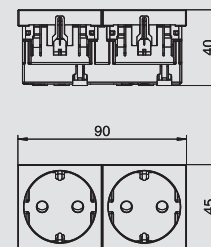


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-D0 RW2	Pure white	10	7.500		6117 01 2
SKS-D0 ROR2	Pure orange	10	7.500		6117 01 4
SKS-D0 MZGN2	Mint green	10	7.500		6117 01 6
SKS-D0 SRO2	Signal red	10	7.500		6117 01 8
SKS-D0 SWGR2	Black-grey	10	7.500		6117 01 9
SKS-D0 AL2	Aluminium painted	10	7.500		6117 02 0

PC Polycarbonate

/pc.

Power socket double 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 0°, protective contact, triple

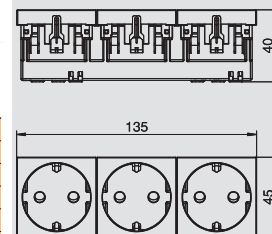


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-D0 RW3	Pure white	4	10.300		6117 02 3
SKS-D0 ROR3	Pure orange	4	10.300		6117 02 5
SKS-D0 MZGN3	Mint green	4	10.300		6117 02 7
SKS-D0 SRO3	Signal red	4	10.300		6117 02 9
SKS-D0 SWGR3	Black-grey	4	10.300		6117 03 0
SKS-D0 AL3	Aluminium painted	4	10.300		6117 03 1

PC Polycarbonate

/pc.

Power socket triple 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 33°, protective contact, single

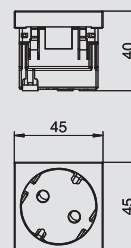


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-D3 RW1	Pure white	20	3.800		6117 04 1
SKS-D3 ROR1	Pure orange	20	3.800		6117 04 3
SKS-D3 MZGN1	Mint green	20	3.800		6117 04 5
SKS-D3 SRO1	Signal red	20	3.800		6117 04 7
SKS-D3 SWGR1	Black-grey	20	3.800		6117 04 8
SKS-D3 AL1	Aluminium painted	20	3.800		6117 04 9

PC Polycarbonate

/pc.

Power socket single 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 33°, protective contact, double

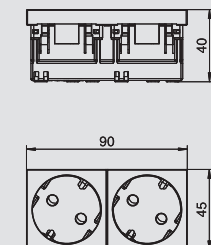


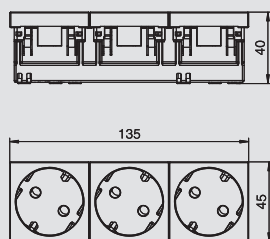
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-D3 RW2	Pure white	10	7.500		6117 05 2
SKS-D3 ROR2	Pure orange	10	7.500		6117 05 4
SKS-D3 MZGN2	Mint green	10	7.500		6117 05 6
SKS-D3 SRO2	Signal red	10	7.500		6117 05 8
SKS-D3 SWGR2	Black-grey	10	7.500		6117 05 9
SKS-D3 AL2	Aluminium painted	10	7.500		6117 06 0

PC Polycarbonate

/pc.

Power socket double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.





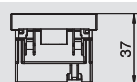
## Socket 33°, protective contact, triple

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-D3 RW3	Pure white	4	4	10.300	6117 06 3
SKS-D3 ROR3	Pure orange	4	4	10.300	6117 06 5
SKS-D3 MZGN3	Mint green	4	4	10.300	6117 06 7
SKS-D3 SRO3	Signal red	4	4	10.300	6117 06 9
SKS-D3 SWGR3	Black-grey	4	4	10.300	6117 07 0
SKS-D3 AL3	Aluminium painted	4	4	10.300	6117 07 1

PC Polycarbonate

/pc.

Power socket triple 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V ~, with connection terminals to IEC 60884-1.



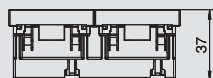
## Socket 0°, with earthing pin, single

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-F0 RW1	Pure white	20	20	3.800	6117 10 2
SKS-F0 ROR1	Pure orange	20	20	3.800	6117 10 4
SKS-F0 MZGN1	Mint green	20	20	3.800	6117 10 6
SKS-F0 SRO1	Signal red	20	20	3.800	6117 10 8
SKS-F0 SWGR1	Black-grey	20	20	3.800	6117 10 9
SKS-F0 AL1	Aluminium painted	20	20	3.800	6117 11 0

PC Polycarbonate

/pc.

Socket with earthing pin single 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V ~, with connection terminals to IEC 60884-1.



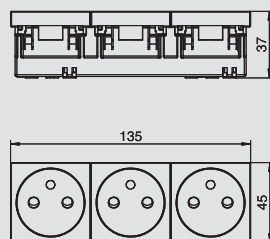
## Socket 0°, with earthing pin, double

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-F0 RW2	Pure white	10	10	7.500	6117 11 1
SKS-F0 ROR2	Pure orange	10	10	7.500	6117 11 3
SKS-F0 MZGN2	Mint green	10	10	7.500	6117 11 5
SKS-F0 SRO2	Signal red	10	10	7.500	6117 11 7
SKS-F0 SWGR2	Black-grey	10	10	7.500	6117 11 8
SKS-F0 AL2	Aluminium painted	10	10	7.500	6117 11 9

PC Polycarbonate

/pc.

Socket with earthing pin double 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V ~, with connection terminals to IEC 60884-1.



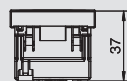
## Socket 0°, with earthing pin, triple

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-F0 RW3	Pure white	4	4	12.000	6117 12 3
SKS-F0 ROR3	Pure orange	4	4	12.000	6117 12 5
SKS-F0 MZGN3	Mint green	4	4	12.000	6117 12 7
SKS-F0 SRO3	Signal red	4	4	12.000	6117 12 9
SKS-F0 SWGR3	Black-grey	4	4	12.000	6117 13 0
SKS-F0 AL3	Aluminium painted	4	4	12.000	6117 13 1

PC Polycarbonate

/pc.

Socket with earthing pin triple 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V ~, with connection terminals to IEC 60884-1.



## Socket 33°, with earthing pin, single

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-F3 RW1	Pure white	20	20	3.800	6117 14 0
SKS-F3 ROR1	Pure orange	20	20	3.800	6117 14 2
SKS-F3 MZGN1	Mint green	20	20	3.800	6117 14 4
SKS-F3 SRO1	Signal red	20	20	3.800	6117 14 6
SKS-F3 SWGR1	Black-grey	20	20	3.800	6117 14 7
SKS-F3 AL1	Aluminium painted	20	20	3.800	6117 14 8

PC Polycarbonate

/pc.

Socket with earthing pin single 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V ~, with connection terminals to IEC 60884-1.



## Sockets, Modul 45®

### Socket 33°, with earthing pin, double

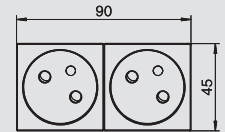
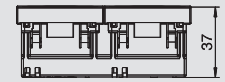


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
SKS-F3 RW2	Pure white	10	7.500	6117 15 1
SKS-F3 ROR2	Pure orange	10	7.500	6117 15 3
SKS-F3 MZGN2	Mint green	10	7.500	6117 15 5
SKS-F3 SRO2	Signal red	10	7.500	6117 15 7
SKS-F3 SWGR2	Black-grey	10	7.500	6117 15 8
SKS-F3 AL2	Aluminium painted	10	7.500	6117 15 9

PC Polycarbonate

/pc.

Socket with earthing pin double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 33°, with earthing pin, triple

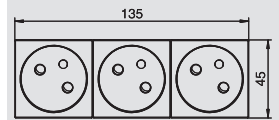
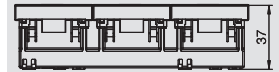


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
SKS-F3 RW3	Pure white	4	10.300	6117 16 2
SKS-F3 ROR3	Pure orange	4	10.300	6117 16 4
SKS-F3 MZGN3	Mint green	4	10.300	6117 16 6
SKS-F3 SRO3	Signal red	4	10.300	6117 16 8
SKS-F3 SWGR3	Black-grey	4	10.300	6117 16 9
SKS-F3 AL3	Aluminium painted	4	10.300	6117 17 0

PC Polycarbonate

/pc.

Socket with earthing pin triple 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 0°, with earthing pin, encoded version, single



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
SKS-FC0 SRO1	Signal red	20	3.800	6106 67 7

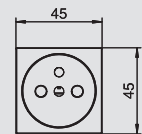
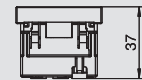
PC Polycarbonate

/pc.

Socket with earthing pin single 0°, coded version with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

The socket can only be used in conjunction with an encoding pin, type CST-SKS.

Note: The encoding pin is not contained in the scope of supply.



### Socket 0°, with earthing pin, encoded version, double



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
SKS-FC0 SRO2	Signal red	10	7.500	6106 68 7

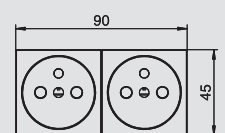
PC Polycarbonate

/pc.

Socket with earthing pin double 0°, coded version with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

The socket can only be used in conjunction with an encoding pin, type CST-SKS.

Note: The encoding pin is not contained in the scope of supply.



### Socket 0°, with earthing pin, encoded version, triple



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
SKS-FC0 SRO3	Signal red	4	10.300	6106 69 7

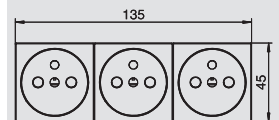
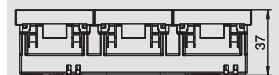
PC Polycarbonate

/pc.

Socket with earthing pin triple 0°, coded version with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

The socket can only be used in conjunction with an encoding pin, type CST-SKS.

Note: The encoding pin is not contained in the scope of supply.



### Socket 33°, with earthing pin, encoded version, single



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
SKS-FC3 SRO1	Signal red	20	3.800	6106 70 7

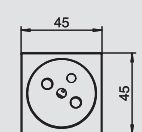
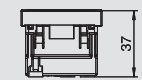
PC Polycarbonate

/pc.

Socket with earthing pin single 33°, coded version with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

The socket can only be used in conjunction with an encoding pin, type CST-SKS.

Note: The encoding pin is not contained in the scope of supply.



## Socket 33°, with earthing pin, encoded version, double

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-FC3 SRO2</b>	Signal red	10	7.500	<b>6106 71 7</b>

PC Polycarbonate

/pc.

Socket with earthing pin double 33°, coded version with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

The socket can only be used in conjunction with an encoding pin, type CST-SKS.

Note: The encoding pin is not contained in the scope of supply.



## Socket 33°, with earthing pin, encoded version, triple

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-FC3 SRO3</b>	Signal red	4	10.300	<b>6106 72 7</b>

PC Polycarbonate

/pc.

Socket with earthing pin triple 33°, coded version with increased touch protection, with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

The socket can only be used in conjunction with an encoding pin, type CST-SKS.

Note: The encoding pin is not contained in the scope of supply.



## Encoding pin

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>CST-SKS</b>	Black	10	1.200	<b>6106 73 5</b>

PC Polycarbonate

/pc.

Encoding pin for socket with earthing pin, encoded version



## Socket 0°, Switzerland, single

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-CH0 RW1</b>	Pure white	1	3.400	<b>6117 20 0</b>

PC Polycarbonate

/pc.

Socket, single 0°, to Swiss standard (SEV), with screwless terminals, 2-pin, 16 A, 250 V~, type 13, with connection terminals to IEC 60884-1.



## Socket 0°, Denmark, single

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-DK0 RW1</b>	Pure white	20	3.050	<b>6117 20 2</b>

PC Polycarbonate

/pc.

Socket, single 0°, to Danish standard, with increased touch protection, with screw terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



## Socket 0°, Denmark, single, IT-encoded

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-DKE0 RW1</b>	Pure white	20	3.050	<b>6117 20 3</b>

PC Polycarbonate

/pc.

Socket, single 0°, to Danish standard, encoded for IT power circuit, with screw terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

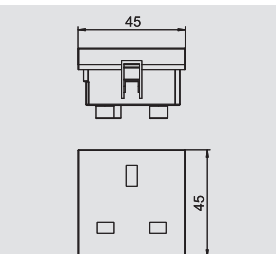
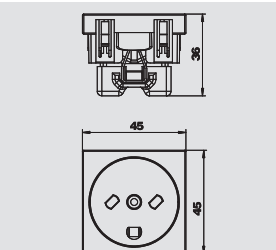
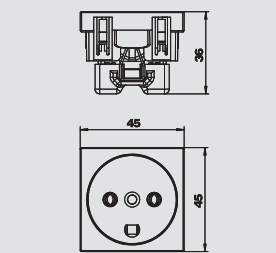
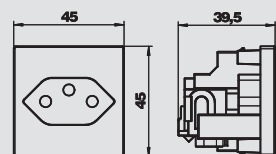
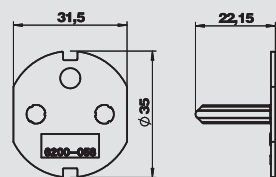
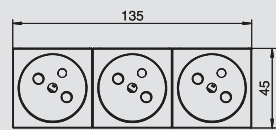
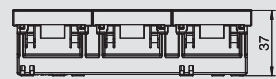
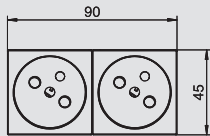
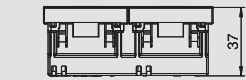


## Socket 0°, British Standard, single

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-BSL0 RW1</b>	Pure white	10	3.810	<b>6117 20 6</b>

/pc.

Socket, single 0°, according to British Standard, with increased touch protection, with screw terminals, 2-pin, 13 A 250 V~.



## Sockets, Modul 45®

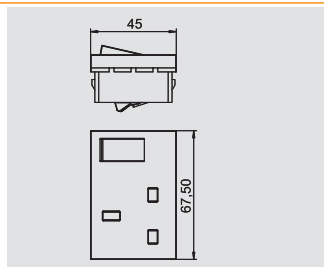
### Socket 0°, British Standard, single, with switch



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-BSSL0 RW1.5</b>	Pure white	10	5.500	<b>6117 20 7</b>

/pc.

Socket, single 0°, with switch according to British Standard, with increased touch protection, with screw terminals, 2-pin, 13 A 250 V~.



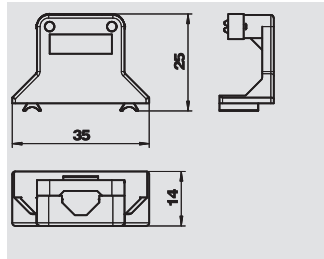
### Strain relief



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ZL-SKS</b>	Cream	10	0.470	<b>6117 20 5</b>

/pc.

Strain relief for 0° power socket, socket with 0° earthing pin and Modul 45connect sockets, connectable at side. For fastening a 3-wire cable, max. Ø 10 mm.



### Surge protection module



Type	Signalling on device	Version	Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>USM-A</b>	Audible	Acoustic function display	1	1.500	<b>5092 45 1</b>

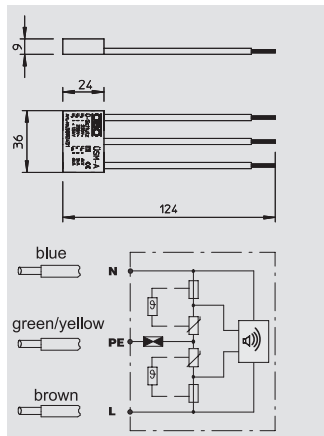
/pc.

Surge protection module type 3 (class D) to DIN EN 61643-11 (VDE 0675 Parts 6-11), fine protection device, for 230/400 V supplies.

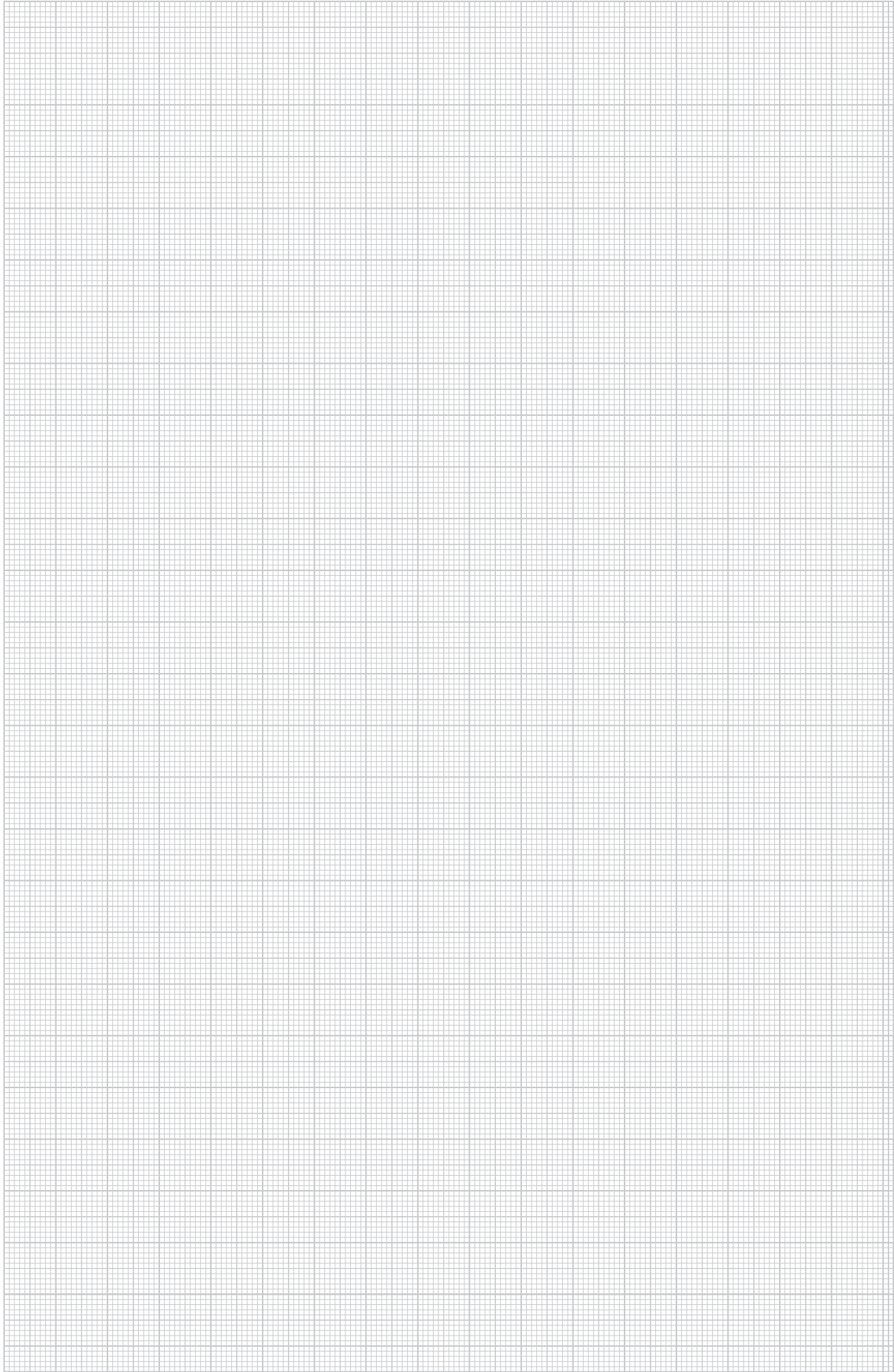
For use on power sockets.

- With acoustic defect signal
- With low construction height
- Y circuit

Application: Universally applicable for all installation systems.

















## Modul 45connect® systems, sockets and installation accessories

	Power socket	Direction of insertion 33°	100
	Socket with earthing pin	Direction of insertion 33°	100
	Connection adapter	Connector part, straight Socket part, straight Connector part, U-shaped	100
	Connection adapter	Socket connector GST18, socket/connector	101
	Socket accessories	Strain relief Surge protection module ÜSA-A	101
	Complete unit	4x protective contact socket, 33°	102
	Installation accessories	Connector part, 3-pin Socket part, 3-pin Distributor block, 3-pin Connector part, 5-pin Socket part 5-pin	207
	Connection cable	3-pin plug socket 3-pin plug socket, halogen-free	209

## Sockets, Modul 45connect®

### Socket 33°, protective contact, double

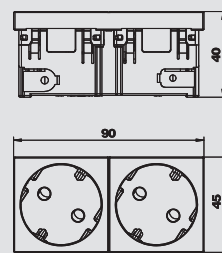


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-DS3 RW2	Pure white	10	8.240		6117 07 4
SKS-DS3 ROR2	Pure orange	10	8.240		6117 07 6
SKS-DS3 MZGN2	Mint green	10	8.240		6117 07 8
SKS-DS3 SRO2	Signal red	10	8.240		6117 08 0
SKS-DS3 SWGR2	Black-grey	10	8.240		6117 08 1
SKS-DS3 AL2	Aluminium painted	10	8.240		6117 08 2

PC Polycarbonate

/pc.

Power socket with side connection double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 33°, protective contact, triple

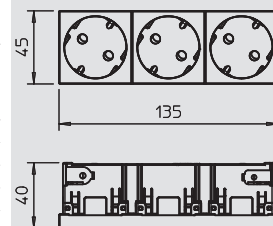


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-DS3 RW3	Pure white	4	11.960		6119 85 0
SKS-DS3 ROR3	Pure orange	4	11.960		6119 85 2
SKS-DS3 MZGN3	Mint green	4	11.960		6119 85 4
SKS-DS3 SRO3	Signal red	4	11.960		6119 85 6
SKS-DS3 SWGR3	Black-grey	4	11.960		6119 85 8
SKS-DS3 AL3	Aluminium painted	4	11.960		6119 86 0

PC Polycarbonate

/pc.

Power socket with side connection triple 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 33°, with earthing pin, double

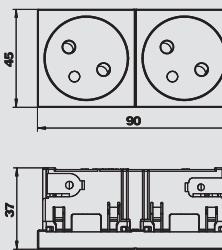


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-FS3 RW2	Pure white	10	7.880		6119 86 8
SKS-FS3 ROR2	Pure orange	10	7.880		6119 87 0
SKS-FS3 MZGN2	Mint green	10	7.880		6119 87 2
SKS-FS3 SRO2	Signal red	10	7.880		6119 87 4
SKS-FS3 SWGR2	Black-grey	10	7.880		6119 87 6
SKS-FS3 AL2	Aluminium painted	10	7.880		6119 87 8

PC Polycarbonate

/pc.

Socket with earthing pin with side connection double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



### Socket 33°, with earthing pin, triple

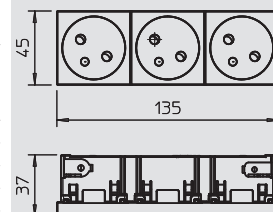


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SKS-FS3 RW3	Pure white	4	11.600		6119 88 0
SKS-FS3 ROR3	Pure orange	4	11.600		6119 88 2
SKS-FS3 MZGN3	Mint green	4	11.600		6119 88 4
SKS-FS3 SRO3	Signal red	4	11.600		6119 88 6
SKS-FS3 SWGR3	Black-grey	4	11.600		6119 88 8
SKS-FS3 AL3	Aluminium painted	4	11.600		6119 89 0

PC Polycarbonate

/pc.

Socket with earthing pin with side connection triple 33°, with increased touch protection with screwless terminals, 2-pin, 16 A 250 V~, with connection terminals to IEC 60884-1.



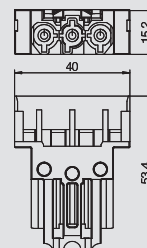
### Connection adapter, straight, connector part

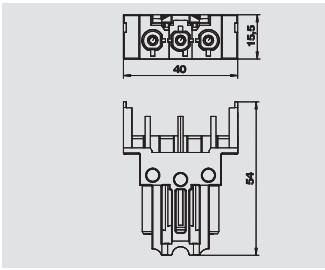


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
STA-SKS S1 SW	Black	10	1.200		6117 19 2
STA-SKS S1 W	White	10	1.200		6117 19 3

/pc.

Connector part adapter, straight, for connection to an SKS-DS or SKS-FS socket from the side, for VL extension cable with Wieland connector GST 18i 3p.





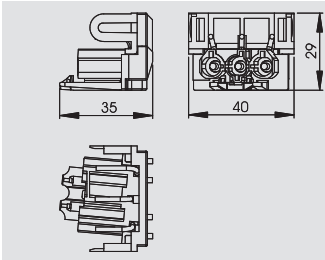
## Connection adapter, straight, socket part

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>BTA-SKS S1 SW</b>	Black	10	1.200	<b>6117 19 0</b>
<b>BTA-SKS S1 W</b>	White	10	1.200	<b>6117 19 1</b>



/pc.

Socket part adapter, straight, for connection to an SKS-DS or SKS-FS socket from the side, for VL extension cable with Wieland connector GST 18i 3p.



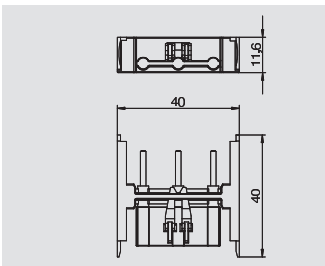
## Connection adapter, U-shaped, connector part

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>STA-SKS SU1 SW</b>	Black	10	1.190	<b>6117 19 6</b>
<b>STA-SKS SU1 W</b>	White	10	1.190	<b>6117 19 7</b>



/pc.

Connector part adapter, U-shaped, for connection to an SKS-DS or SKS-FS socket from the side, for VL extension cable with Wieland connector GST 18i 3p.



## Connection adapter, socket, Modul 45connect®

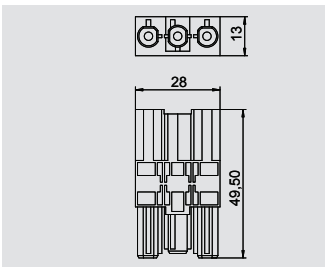
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VB-SKS S</b>	Black	10	0.590	<b>6117 19 8</b>



/pc.

Connection adapter for combining SKS-DS or SKS-FS sockets.

Note: Socket combinations with two connection adapters at most are permitted.

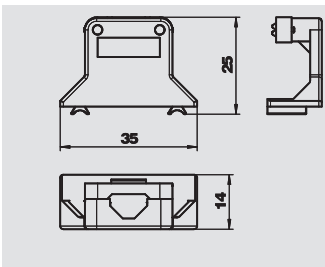


## Connection adapter, GST18i, straight

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VB-G GST18i3p</b>	Black	1	1.760	<b>6108 04 5</b>



Connection adapter GST18i for combining SKS-DS or SKS-FS sockets in conjunction with straight connection adapters, pluggable connection with integrated strain relief. Suitable for device connections in device installation duct systems Rapid 45 and Rapid 80 and in ISS service poles.



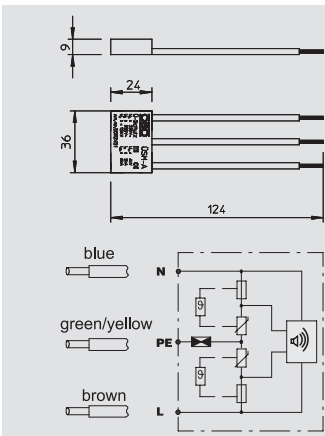
## Strain relief

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ZL-SKS</b>	Cream	10	0.470	<b>6117 20 5</b>



/pc.

Strain relief for 0° power socket, socket with 0° earthing pin and Modul 45connect sockets, connectable at side. For fastening a 3-wire cable, max. Ø 10 mm.



## Surge protection module



Type	Signalling on device	Version	Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>USM-A</b>	Audible	Acoustic function display	1	1.500	<b>5092 45 1</b>

/pc.

Surge protection module type 3 (class D) to DIN EN 61643-11 (VDE 0675 Parts 6-11), fine protection device, for 230/400 V supplies.

For use on power sockets.

- With acoustic defect signal
- With low construction height
- Y circuit

Application: Universally applicable for all installation systems.



## Sockets, Modul 45connect®

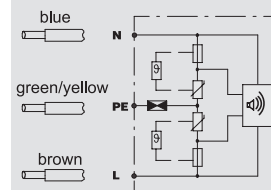
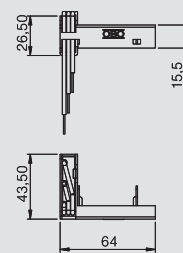


### Surge protection module with support for Modul 45connect

Type	Signalling on device	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>ÜSM-A-4T</b>	Audible	1	2.000		<b>6107 80 1</b>

/pc.

2-pole surge protection module, 16 A/250 V~, with acoustic default display, no network switch-off, for connection to a multiple socket of type Modul 45connect using the supplied support. For installation in the module supports MT3/45 and MT4/45. The surge protection module meets EN 61643-11, Type 3, Class III, Requirements Class D.



### Complete unit, 4x 33° protective contact socket, for conventional cable connection

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>SKS-DS3KL RW22</b>	Pure white	1	19.000		<b>6117 09 5</b>
<b>SKS-DS3KL AL22</b>	Aluminium painted	1	19.000		<b>6117 09 6</b>

**PC** Polycarbonate /pc.

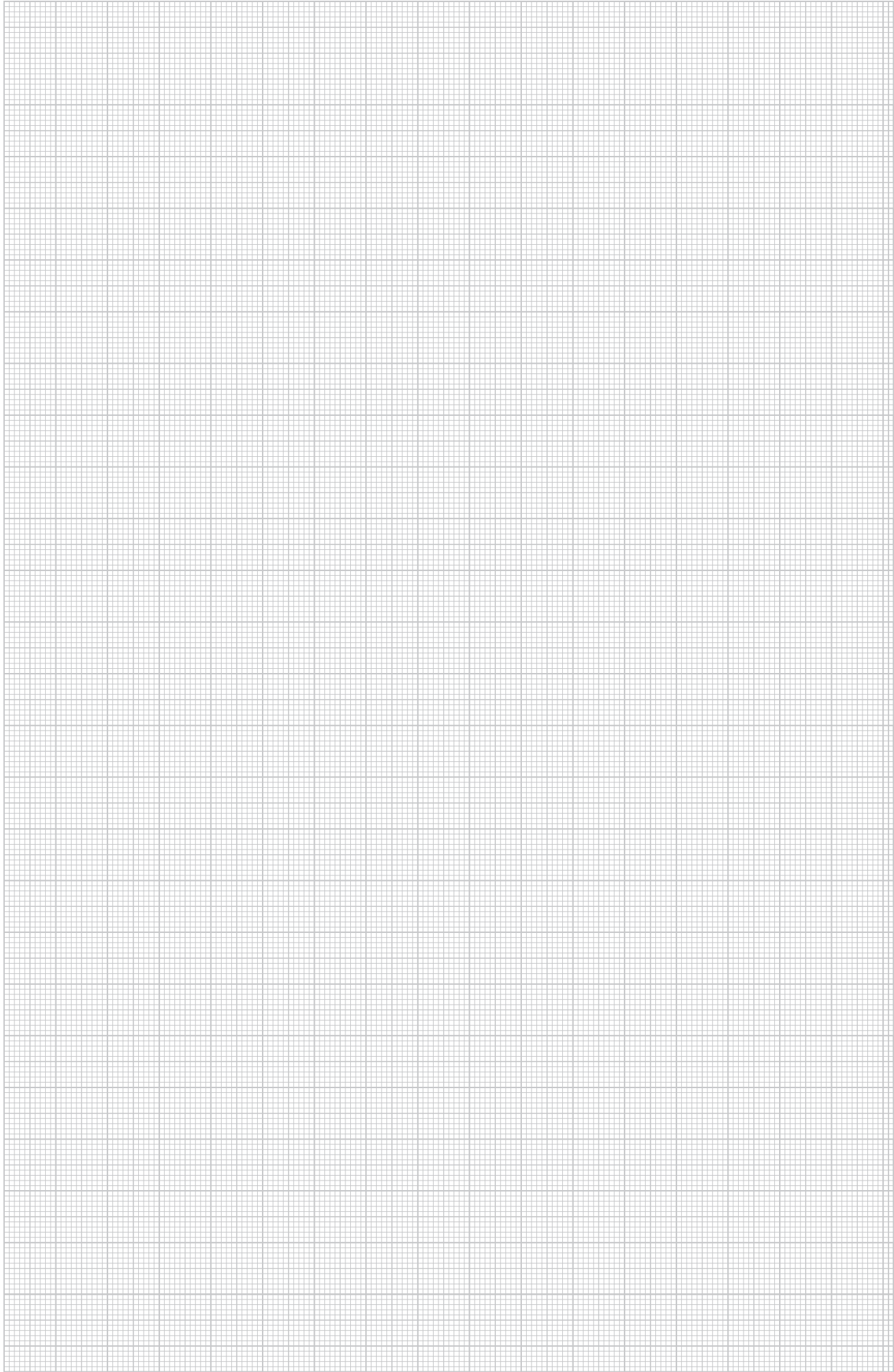
Modul 45connect construction set, consisting of two double protective contact sockets with 33° connection direction, strain relief for conventional accessory connection, a connection adapter and a GST 18i socket section adapter for connection extension.

### Complete unit, 4x 33° protective contact socket, with pluggable cable connection GST18

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>SKS-DS3KW RW22</b>	Pure white	1	18.000		<b>6117 09 7</b>
<b>SKS-DS3KW AL22</b>	Aluminium painted	1	18.000		<b>6117 09 8</b>

**PC** Polycarbonate /pc.









Modul 45connect construction set, consisting of two double protective contact sockets with 33° connection direction, a GST 18i connector section adapter for connecting accessories, a connection adapter and a GST 18i socket section adapter for connection extension.







## Modul 45® systems, switching and connection accessories

	Switch	Changeover key Roller blind switch	106
	Switch	One-way switch Changeover switch Series switch Cross switch Roller blind switch Accessories	106
	Touch dimmer	Phase section Phase section	109
	Electronic devices	Relay insert Motion detector top Timer top Roller blind timer top Room thermostat top	109
	Surge protection	Signalling, visual Signalling, acoustic	111
	Telephone connection	TAE-6F	111
	Equipotential bonding	Connection socket	111
	Cover	Cable outlet Blanking cover	112

## Switching devices, Modul 45®

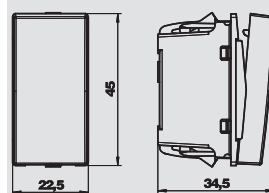


### Changeover switch, 1/2 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
TA-B RW0.5	Pure white	10	10	1.800	6117 67 0
TA-B SWGR0.5	Black-grey	10	10	1.800	6117 66 8
TA-B AL0.5	Aluminium painted	10	10	1.800	6117 67 1

/pc.

Changeover switch, 1-pin, 10 A, 250 V~, with screwless terminals.

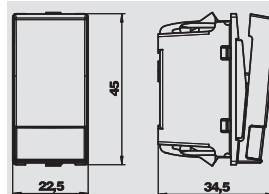


### Changeover switch, 1/2 module, with labelling panel

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
TA-NA RW0.5	Pure white	10	10	1.900	6117 67 5
TA-NA SWGR0.5	Black-grey	10	10	1.900	6117 67 2
TA-NA AL0.5	Aluminium painted	10	10	1.900	6117 67 6

/pc.

Changeover switch with nameplate, 1-pin, 10 A, 250 V, with screwless terminals.

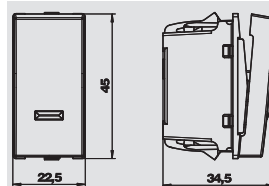


### Changeover switch, 1/2 module, can be lit with LED element

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
TA-K RW0.5	Pure white	10	10	1.900	6117 67 8
TA-K SWGR0.5	Black-grey	10	10	1.900	6117 67 7
TA-K AL0.5	Aluminium painted	10	10	1.900	6117 67 9

/pc.

Changeover switch for lighting with LED element, 1-pin, 10 A, 250 V, with screwless terminals.  
Note: The LED element is not contained in the scope of delivery.

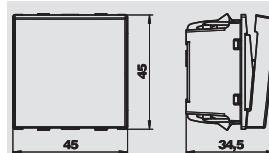


### Changeover switch, 1 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
TA-B RW1	Pure white	10	10	3.300	6117 67 3
TA-B SWGR1	Black-grey	10	10	3.300	6117 66 9
TA-B AL1	Aluminium painted	10	10	3.300	6117 67 4

/pc.

Changeover switch, 1-pin, 10 A, 250 V~, with screwless terminals.

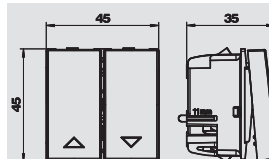


### Roller blind button, 1 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
RT-BS1 RW1	Pure white	10	10	3.700	6117 65 7
RT-BS1 SWGR1	Black-grey	10	10	3.700	6117 65 6
RT-BS1 AL1	Aluminium painted	10	10	3.700	6117 65 8

/pc.

Roller blind button with electrical locking, 1-pin, 10 A, 250 V~, with screwless terminals.

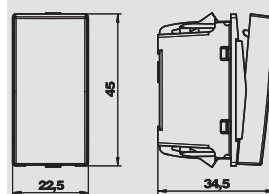


### One-way switch, 1/2 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
AS-B RW0.5	Pure white	10	10	1.700	6117 62 0
AS-B SWGR0.5	Black-grey	10	10	1.700	6117 62 2
AS-B AL0.5	Aluminium painted	10	10	1.700	6117 62 1

/pc.

One-way switch, 1-pin, 16 A, 250 V, with screwless terminals.

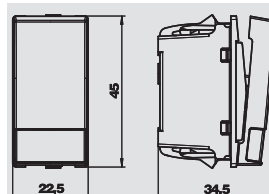


### One-way switch, 1/2 module, with labelling panel

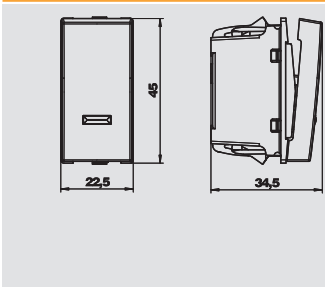
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
AS-NA RW0.5	Pure white	10	10	1.800	6117 61 7
AS-NA SWGR0.5	Black-grey	10	10	1.800	6117 61 9
AS-NA AL0.5	Aluminium painted	10	10	1.800	6117 61 8

/pc.

One-way switch with nameplate 1-pin, 16 A, 250 V, with screwless terminals.



**One-way switch, 1/2 module, can be lit with LED element**



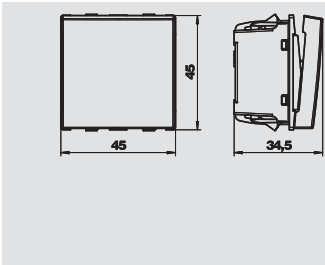
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
AS-K RW0.5	Pure white	10	1.800		<b>6117 62 4</b>
AS-K SWGR0.5	Black-grey	10	1.800		<b>6117 62 3</b>
AS-K AL0.5	Aluminium painted	10	1.800		<b>6117 62 5</b>

/pc.

One-way switch for lighting with LED element, 1-pin, 16 A, 250 V, with screwless terminals.  
Note: The LED element is not contained in the scope of delivery.



**One-way switch, 1 module**



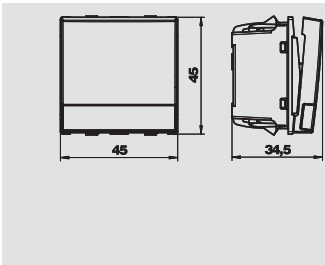
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
AS-B2P RW1	Pure white	10	2.300		<b>6117 64 4</b>
AS-B2P SWGR1	Black-grey	10	2.300		<b>6117 64 3</b>
AS-B2P AL1	Aluminium painted	10	2.300		<b>6117 64 5</b>

/pc.

One-way switch, 2-pin, 16 A, 250 V~, with screwless terminals.



**One-way switch, 1 module, with labelling panel**



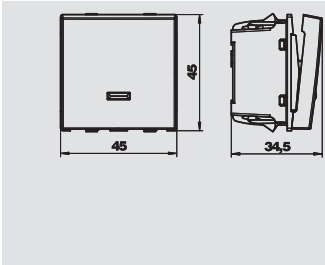
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
AS-NA2P RW1	Pure white	10	2.800		<b>6117 65 0</b>
AS-NA2P SWGR1	Black-grey	10	2.800		<b>6117 64 9</b>
AS-NA2P AL1	Aluminium painted	10	2.800		<b>6117 65 1</b>

/pc.

One-way switch with nameplate 2-pin, 16 A, 250 V, with screwless terminals.



**One-way switch, 1 module, can be lit with LED element**



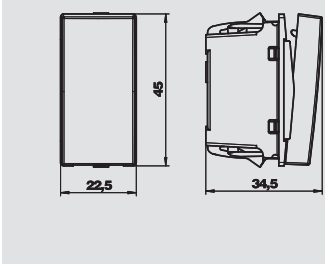
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
AS-K2P RW1	Pure white	10	2.300		<b>6117 64 7</b>
AS-K2P SWGR1	Black-grey	10	2.300		<b>6117 64 6</b>
AS-K2P AL1	Aluminium painted	10	2.300		<b>6117 64 8</b>

/pc.

Switch off for lighting with LED element, 2-pin, 16 A, 250 V, with screwless terminals.  
Note: The LED element is not contained in the scope of delivery.



**Changeover switch, 1/2 module**



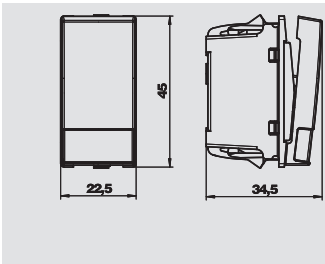
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
WS-B RW0.5	Pure white	10	1.800		<b>6117 62 7</b>
WS-B SWGR0.5	Black-grey	10	1.800		<b>6117 62 6</b>
WS-B AL0.5	Aluminium painted	10	1.800		<b>6117 62 8</b>

/pc.

Changeover switch 1-pin, 16 A, 250 V~, with screwless terminals.



**Changeover switch, 1/2 module, with labelling panel**



Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
WS-NA RW0.5	Pure white	10	1.900		<b>6117 63 4</b>
WS-NA SWGR0.5	Black-grey	10	1.900		<b>6117 63 3</b>
WS-NA AL0.5	Aluminium painted	10	1.900		<b>6117 63 6</b>

/pc.

Changeover switch with nameplate, 1-pin, 16 A, 250 V~, with screwless terminals.



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## Switching devices, Modul 45®



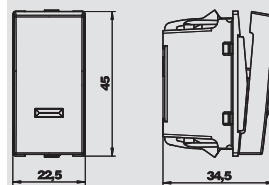
### Changeover switch, 1/2 module, can be lit with LED element

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
WS-K RW0.5	Pure white	10	1.800		<b>6117 63 0</b>
WS-K SWGR0.5	Black-grey	10	1.800		<b>6117 62 9</b>
WS-K AL0.5	Aluminium painted	10	1.800		<b>6117 63 1</b>

/pc.

Changeover switch for lighting with LED element, 1-pin, 16 A, 250 V~, with screwless terminals.

Note: The LED element is not contained in the scope of delivery.

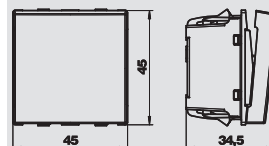


### Changeover switch, 1 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
WS-B RW1	Pure white	10	2.600		<b>6117 64 0</b>
WS-B SWGR1	Black-grey	10	2.600		<b>6117 64 2</b>
WS-B AL1	Aluminium painted	10	2.600		<b>6117 64 1</b>

/pc.

Changeover switch 1-pin, 16 A, 250 V~, with screwless terminals.

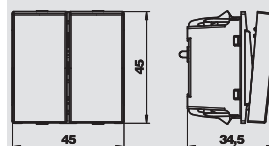


### Series switch, 1 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SE-B RW1	Pure white	10	1.800		<b>6117 61 5</b>
SE-B SWGR1	Black-grey	10	1.800		<b>6117 61 4</b>
SE-B AL1	Aluminium painted	10	1.800		<b>6117 61 6</b>

/pc.

Serial switch, 16 A, 250 V~, with screwless terminals.

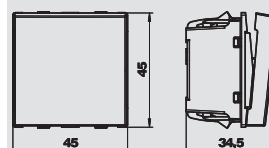


### Cross switch, 1 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
KS-B RW1	Pure white	10	1.900		<b>6117 63 7</b>
KS-B SWGR1	Black-grey	10	1.900		<b>6117 63 9</b>
KS-B AL1	Aluminium painted	10	1.900		<b>6117 63 8</b>

/pc.

Cross switch, 16 A, 250 V~, with screwless terminals.

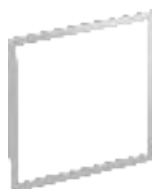
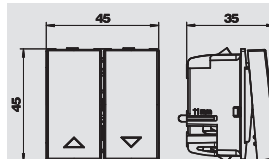


### Roller blind switch, 1 module

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
RS-BS1 RW1	Pure white	10	3.700		<b>6117 65 4</b>
RS-BS1 SWGR1	Black-grey	10	3.700		<b>6117 65 3</b>
RS-BS1 AL1	Aluminium painted	10	3.700		<b>6117 65 5</b>

/pc.

Roller blind switch with electrical and mechanical lock, 1-pin, 16 A, 250 V~, with screwless terminals.



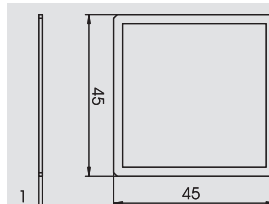
### Adapter for switch installation rotated through 90°

Type	Pack.	Weight		Item No.
		pcs	kg/100 pcs.	
AD-90G M45	1	0.400		<b>6258 14 1</b>

St Steel

/pc.

The adapter allows switch installation rotated through 90° in, for example, installation columns with a 45 mm track or Rapid 45. Suitable for all switches and buttons in one module width (45 x 45 mm).



### LED element

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
BE-LED B1RO	Red	10	1.100		<b>6117 75 7</b>
BE-LED B1GN	Green	10	1.100		<b>6117 75 8</b>

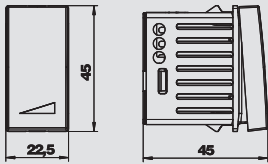
/pc.

LED element, 230 V~, 1.2 mA.

The LED illumination elements are only for switches/buttons with orientation illumination.



**Touch dimmer, 1/2 module, for ohmic and inductive loads**



Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>TD-AN21 RW0.5</b>	Pure white	1	1	2.300	<b>6117 54 0</b>
<b>TD-AN21 SWGR0.5</b>	Black-grey	1	1	2.300	<b>6117 54 2</b>
<b>TD-AN21 AL0.5</b>	Aluminium painted	1	1	2.300	<b>6117 54 4</b>

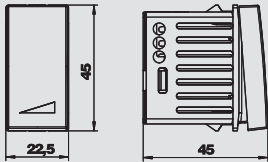
/pc.



Touch dimmer with memory for ohmic and inductive loads.

Technical data:  
Phase section dimmer Load code R; L  
Power supply 230 V, 50 Hz, 2-wire connection  
Switching power: filament lamps 230 V: 25–210 W  
Switching power, coiled transformers: 25–180 VA

**Touch dimmer, 1/2 module, for electronic transformers and ohmic loads**



Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>TD-AB21 RW0.5</b>	Pure white	1	1	2.300	<b>6117 54 8</b>
<b>TD-AB21 SWGR0.5</b>	Black-grey	1	1	2.300	<b>6117 55 0</b>
<b>TD-AB21 AL0.5</b>	Aluminium painted	1	1	2.300	<b>6117 55 2</b>

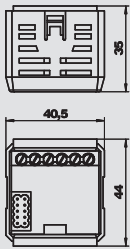
/pc.



Touch dimmer with memory for electronic transformers and ohmic loads. Technical data:

Phase section dimmer load code R; C  
Power supply 230 V, 50 Hz, 2-wire connection  
Switching power: filament lamps 230 V: 25–210 W  
Switching power, electronic transformers: 25–180 VA.

**Relay insert, 1 module, changeover**



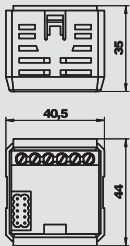
Type	Pack.	Weight		Item No.
		pcs	kg/100 pcs.	
<b>RE-UW 1</b>	1	1	4.640	<b>6117 66 2</b>

/pc.



Relay insert with changeover contact with extension input, 10 A, 230 VAC, suitable for room thermostat RTR-A, timer ZU-A and motion detector BM-A180 tops.

**Relay insert, 1 module, 2-channel**



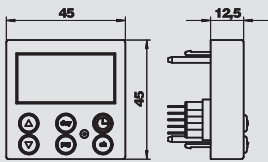
Type	Pack.	Weight		Item No.
		pcs	kg/100 pcs.	
<b>RE-U2K 1</b>	1	1	4.640	<b>6117 66 5</b>

/pc.



Relay insert with 2 NO contacts with extension input, 4 A, 230 VAC, suitable for timer ZU-A and roller blind timer RZU-A tops.

**Top for relay insert, timer**



Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>ZU-A RW1</b>	Pure white	1	1	2.660	<b>6117 35 2</b>
<b>ZU-A SWGR1</b>	Black-grey	1	1	2.660	<b>6117 35 6</b>
<b>ZU-A AL1</b>	Aluminium painted	1	1	2.660	<b>6117 35 4</b>

/pc.



Timer top, 24 switching times programmable for individual weekdays or blocks of days (Mon.–Fri., Sat.+Sun.) programmable, suitable for 1-channel relay insert RE-UW and 2-channel RE-U2K.

## Electronic switching devices, Modul 45®

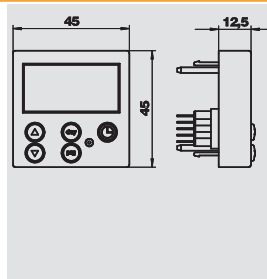


### Top for relay insert, roller blind timer

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>RZU-A RW1</b>	Pure white	1	2.570	<b>6117 36 4</b>
<b>RZU-A SWGR1</b>	Black-grey	1	2.570	<b>6117 36 8</b>
<b>RZU-A AL 1</b>	Aluminium painted	1	2.570	<b>6117 36 6</b>

/pc.

Roller blind timer top, 24 switching times programmable for individual weekdays or blocks of days (Mon.–Fri., Sat.+Sun.) programmable, suitable for 2-channel relay insert RE-U2K.

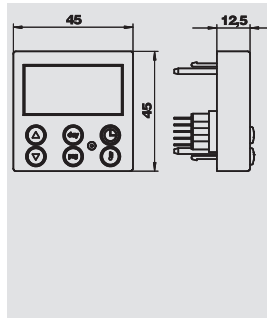


### Top for relay insert, room thermostat

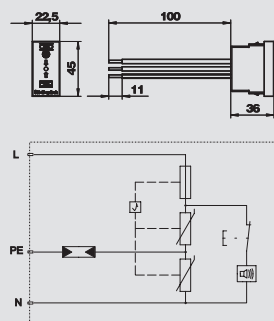
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>RTR-A RW1</b>	Pure white	1	2.660	<b>6117 35 8</b>
<b>RTR-A SWGR1</b>	Black-grey	1	2.660	<b>6117 36 2</b>
<b>RTR-A AL1</b>	Aluminium painted	1	2.660	<b>6117 36 0</b>

/pc.

Room temperature controller top, two settable temperatures between 7 and 30 °C, frost protection temperature fixed 7 °C, 24 switching times for reduced temperature/presence for individual weekdays or blocks of days (Mon.–Fri., Sat.+Sun.) programmable, suitable for relay insert RE-UW.



## Surge protection device, 1/2 module, visual signalling



Type	Colour	Signalling on device	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSS 45-O-RW	Pure white	Visual	1	2.410	6117 47 3
ÜSS 45-O-ALU	Aluminium painted	Visual	1	2.410	6117 47 5



/pc.

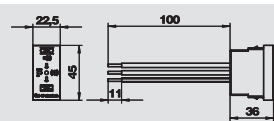
For stationary installation in Rapid 45 trunking, device installation trunking and underfloor systems.

- Version -O with visual function display
- Quick and easy mounting
- Small width of 22.5 mm

Application: The correct installation of the surge protection device, which is performed by the electrical installer, secures individual sockets, but can also be used for protecting socket combinations.

Surge protection device type 3 (class D) to VDE 0675, Parts 6–11 (DIN EN 61643-11).

## Surge protection device, 1/2 module, acoustic signalling



Type	Colour	Signalling on device	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSS 45-A-RW	Pure white	Audible	1	2.800	6117 46 5
ÜSS 45-A-ALU	Aluminium painted	Audible	1	2.800	6117 46 7



/pc.

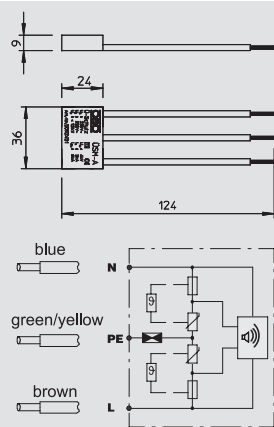
For stationary installation in Rapid-45 ducts, device installation ducts and underfloor systems.

- Version -A with acoustic function display (signal tone can be switched off)
- Quick and simple installation
- Installation width only 22.5 mm

Application: the installation of the surge protection device, which is performed by the electrical installer, secures individual sockets, but can also be used for protecting socket combinations.

Surge protection device Type 3 (Class D) to VDE 0675 Parts 6–11 (DIN EN 61643-11)

## Surge protection device, acoustic signalling



Type	Signalling on device	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSM-A	Audible	Acoustic function display	1	1.500	5092 45 1



/pc.

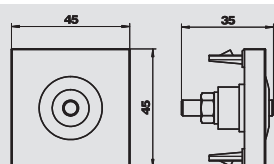
Surge protection module type 3 (class D) to DIN EN 61643-11 (VDE 0675 Parts 6–11), fine protection device, for 230/400 V supplies.

For use on power sockets.

- With acoustic defect signal
- With low construction height
- Y circuit

Application: Universally applicable for all installation systems.

## Equipotential bonding socket, 1 module, straight outlet



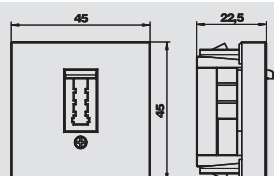
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
PAD-LQ6 RW1	Pure white	1	5.400	6119 99 8
PAD-LQ6 SWGR1	Black-grey	1	5.400	6119 99 7
PAD-LQ6 AL1	Aluminium painted	1	5.400	6119 99 9



/pc.

Equipotential bonding socket to DIN 42 801, rear-sided connection with M6 screw bolts.

## TAE telephone connection socket, 1 module, F version



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
TAE-6F RW1	Pure white	10	2.000	6117 42 8
TAE-6F AL1	Aluminium painted	10	2.000	6117 43 0



/pc.

Telephone connection box TAE 6 F.

## Connection devices and covers, Modul 45®

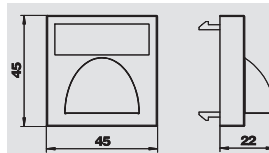


### Cable outlet, 1 module

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>KA-ZKB RW1</b>	Pure white		8	0.890	<b>6117 98 5</b>
<b>KA-ZKB SWGR1</b>	Black-grey		8	0.890	<b>6117 98 6</b>
<b>KA-ZKB AL1</b>	Aluminium painted		8	0.890	<b>6117 98 7</b>

/pc.

Cable outlet with strain relief via cable tie fastening.

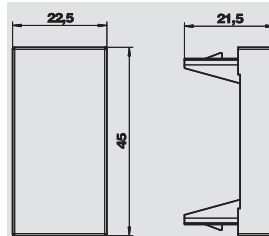


### Blanking cover, 1/2 module

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>ADP-B RW0.5</b>	Pure white		10	0.400	<b>6117 41 4</b>
<b>ADP-B SWGR0.5</b>	Black-grey		10	0.400	<b>6117 41 5</b>
<b>ADP-B AL0.5</b>	Aluminium painted		10	0.400	<b>6117 41 6</b>

/pc.

Blanking cover for closing off empty spaces for half a device (1/2 module).

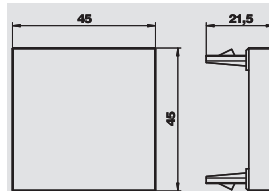


### Blanking cover, 1 module

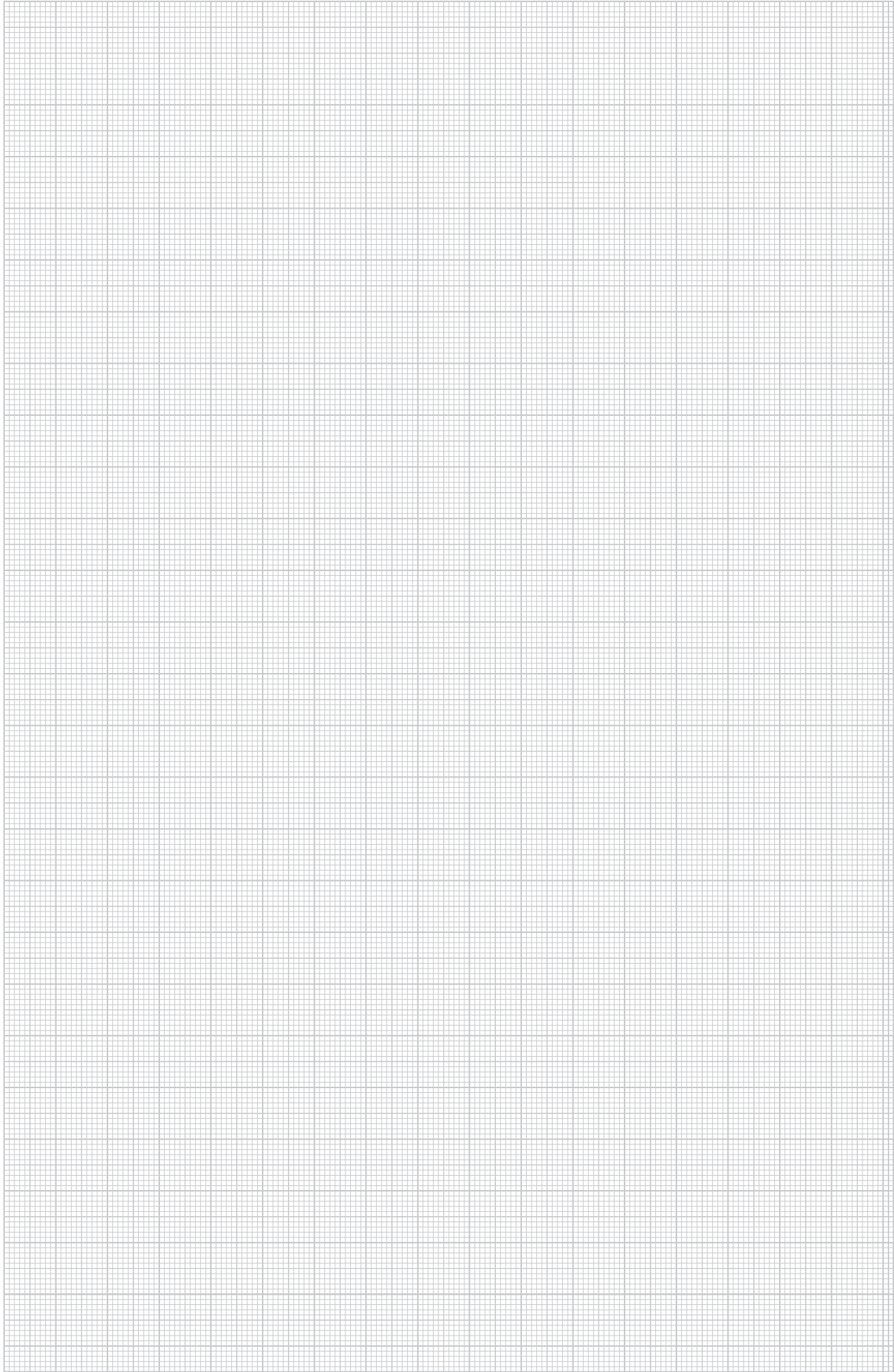
Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>ADP-B RW1</b>	Pure white		10	0.800	<b>6117 40 6</b>
<b>ADP-B SWGR1</b>	Black-grey		10	0.800	<b>6117 40 7</b>
<b>ADP-B AL1</b>	Aluminium painted		10	0.800	<b>6117 40 8</b>

/pc.

Blanking cover for closing off empty spaces for a device (one module).

















## Modul 45® systems, data technology solutions

	Data technology support for connection modules, Cat. 5e / Cat. 6	Straight outlet Slanting outlet	116
	Connection modules	Cat. 5e, unshielded Cat. 5e, shielded Cat. 6, unshielded Cat. 6, shielded	116
	CP cross connect	Cat. 6, unshielded Cat. 6, shielded	117
	Data technology support for connection modules, Cat. 6A (ISO)	Straight outlet Slanting outlet	117
	Connection modules	Cat. 6A (ISO), unshielded Cat. 6A (ISO), shielded	118
	CP cross connect	Cat. 6A (ISO), unshielded Cat. 6A (ISO), shielded	118
	Universal data technology support	Straight outlet Slanting outlet	119
	Overview table, installation of data technology modules		32

# Data technology connection solution, Modul 45®

## Data technology support, 1 module, straight outlet, Type RM

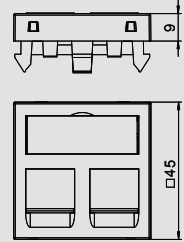


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTG-2RM RW1</b>	Pure white	1	1.100	<b>6119 29 2</b>
<b>DTG-2RM SWGR1</b>	Black-grey	1	1.100	<b>6119 29 4</b>
<b>DTG-2RM AL1</b>	Aluminium painted	1	1.100	<b>6119 29 6</b>

PC Polycarbonate

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type RM data technology support is suitable for accepting the following data connection modules: OBO: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.



## Data technology support, 1 module, slanting outlet, Type RM

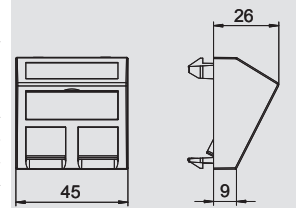


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTS-2RM RW1</b>	Pure white	1	1.500	<b>6119 29 8</b>
<b>DTS-2RM SWGR1</b>	Black-grey	1	1.500	<b>6119 30 0</b>
<b>DTS-2RM AL1</b>	Aluminium painted	1	1.500	<b>6119 30 2</b>

PC Polycarbonate

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type RM data technology support is suitable for accepting the following data connection modules: OBO: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.



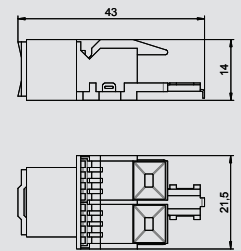
## RJ45 data connection module, Cat. 5e, unshielded



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>ASM-C5</b>	1	1.120	<b>6117 33 7</b>

/pc.

Connection module Cat. 5e unshielded, with a RJ 45 slot. Including a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.



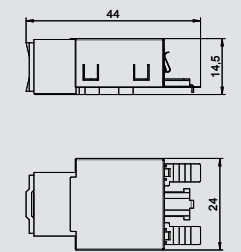
## RJ45 data connection module, Cat. 5e, shielded



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>ASM-C5 G</b>	1	1.920	<b>6117 32 5</b>

/pc.

Connection module Cat 5e shielded, with a RJ 45 slot. Including an EMC screen hood, a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.



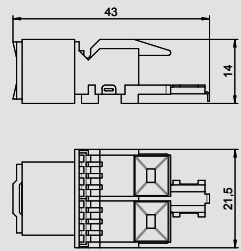
## RJ45 data connection module, Cat. 6, unshielded



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>ASM-C6</b>	1	1.060	<b>6117 34 1</b>

/pc.

Connection module Cat. 6 unshielded, with a RJ 45 slot. Including a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.



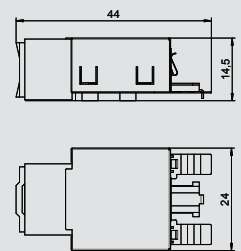
## RJ45 data connection module, Cat. 6, shielded

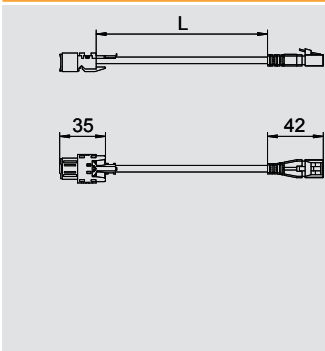


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>ASM-C6 G</b>	1	1.850	<b>6117 32 9</b>

/pc.

Connection module Cat 6 shielded, with a RJ 45 slot. Including an EMC screen hood, a dust cover, a cable tie and mounting instructions. Suitable for installation in data technology supports of type DTG-2RM and DTS-2RM.





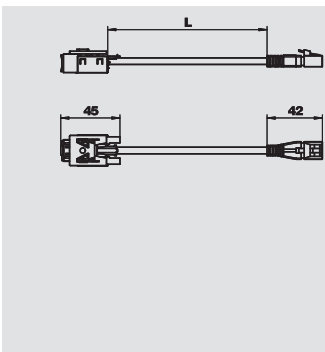
## CP universal cable RJ45, Cat. 6, unshielded

Type	Cable length mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
CPK-C6 U/UTP3	3000	Grey	10	11.800	6118 01 2
CPK-C6U UTP5	5000	Grey	10	17.000	6117 94 7
CPK-C6U UTP7.5	7500	Grey	10	23.500	6117 94 9
CPK-C6 U/UTP10	10000	Grey	10	30.000	6118 01 4
CPK-C6 U/UTP15	15000	Grey	5	43.000	6118 01 6



/pc.

Universal cable as extension cable U/UTP 4P, LSZH, Cat. 6, unshielded, connector – socket version, socket side can be installable in the data technology support, types DTG-2RM and DTS-2RM.



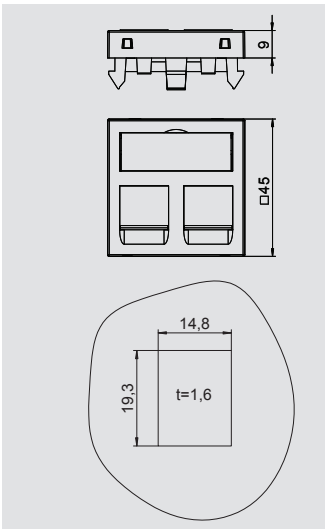
## CP universal cable RJ45, Cat. 6, shielded

Type	Cable length mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
CPK-C6 S/FTP3	3000	Grey	10	13.040	6118 01 0
CPK-C6 S/FTP5	5000	Grey	10	20.640	6118 01 1
CPK-C6S FTP7.5	7500	Grey	10	30.140	6117 94 8
CPK-C6S FTP10	10000	Grey	10	39.640	6117 95 0
CPK-C6S FTP15	15000	Grey	5	58.640	6117 95 2



/pc.

Universal cable as extension cable S/FTP 4P, LSFRZH, Cat. 6, shielded, connector – socket version, socket side can be installable in the data technology support, types DTG-2RM and DTS-2RM.



## Data technology support, 1 module, straight outlet, Type C

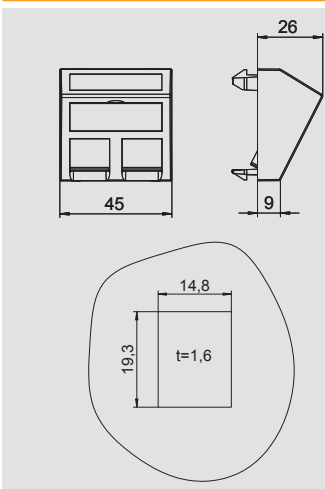
Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTG-2C RW1	Pure white	1	1.100	6119 21 4
DTG-2C SWGR1	Black-grey	1	1.100	6119 21 6
DTG-2C AL1	Aluminium painted	1	1.100	6119 21 8

PC Polycarbonate

/pc.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat.6A module, E-DAT module and UAE module; Corning: Modules with Keystone seat; Dätwyler: KS-T, MS-K and KU-T; EKV: E-Stone; Harting: Prelink Keystone Cat.6; Leoni Kerpen: MegaLine Keystone Cat.6A; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat.6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.



## Data technology support, 1 module, slanting outlet, Type C

Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
DTS-2C RW1	Pure white	1	1.500	6119 25 0
DTS-2C SWGR1	Black-grey	1	1.500	6119 25 2
DTS-2C AL1	Aluminium painted	1	1.500	6119 25 4

PC Polycarbonate

/pc.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat.6A module, E-DAT module and UAE module; Corning: Modules with Keystone seat; Dätwyler: KS-T, MS-K and KU-T; EKV: E-Stone; Harting: Prelink Keystone Cat.6; Leoni Kerpen: MegaLine Keystone Cat.6A; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat.6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.



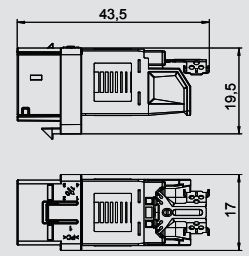
# Data technology connection solution, Modul 45®

## RJ45 data connection module, Cat. 6A (ISO), unshielded



Type	Pack.	Weight		Item No.
		pcs	kg/100 pcs.	
<b>ASM-C6A</b>	1	1	1.050	<b>6117 34 8</b>

Connection module Cat. 6A (ISO) unshielded, with a RJ 45 slot. Including a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

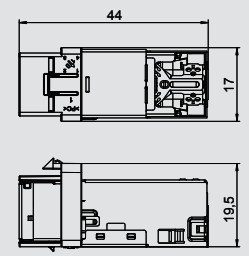


## RJ45 data connection module, Cat. 6A (ISO), shielded



Type	Pack.	Weight		Item No.
		pcs	kg/100 pcs.	
<b>ASM-C6A G</b>	1	1	1.630	<b>6117 34 6</b>

Connection module Cat 6A (ISO) shielded, with a RJ 45 slot. Including an EMC screen hood, a dust cover, a cable tie, a Keystone fastening frame and mounting instructions. Suitable for installation in the data technology supports of type DTG-2C and DTS-2C, support plate of type MTM 2C and MTM 3C, mounting plate of type MPR2 2C, mounting supports of type MTGE2 2C, MTGE2 15 2C and MTGE2 F 2C.

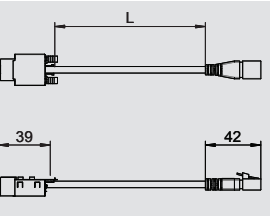


## CP universal cable RJ45, Cat. 6A (ISO), unshielded



Type	Cable length mm	Colour	Pack.	Weight		Item No.
				pcs	kg/100 pcs.	
<b>CPK-C6A U/UTP3</b>	3000	Grey	10	11.800	<b>6118 02 8</b>	
<b>CPK-C6A U/UTP5</b>	5000	Grey	10	17.000	<b>6118 03 0</b>	
<b>CPK-C6A U/UTP7,5</b>	7500	Grey	10	23.500	<b>6118 03 2</b>	
<b>CPK-C6A U/UTP10</b>	10000	Grey	10	30.000	<b>6118 03 4</b>	
<b>CPK-C6A U/UTP15</b>	15000	Grey	5	43.000	<b>6118 03 6</b>	

Universal cable as extension cable U/UTP 4P, LSZH, Cat. 6A (ISO), unshielded, connector – socket version, socket side can be installable in the data technology support, types DTG-2RM and DTS-2RM.

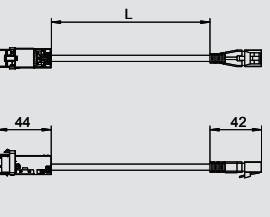


## CP universal cable RJ45, Cat. 6A (ISO), shielded



Type	Cable length mm	Colour	Pack.	Weight		Item No.
				pcs	kg/100 pcs.	
<b>CPK-C6A S/FTP3</b>	3000	Grey	10	13.040	<b>6118 01 8</b>	
<b>CPK-C6A S/FTP5</b>	5000	Grey	10	20.640	<b>6118 02 0</b>	
<b>CPK-C6A S/FTP7,5</b>	7500	Grey	10	30.140	<b>6118 02 2</b>	
<b>CPK-C6A S/FTP10</b>	10000	Grey	10	35.640	<b>6118 02 4</b>	
<b>CPK-C6A S/FTP15</b>	15000	Grey	5	58.640	<b>6118 02 6</b>	

Universal cable as extension cable S/FTP 4P, LSFRZH, Cat. 6A (ISO), shielded, connector – socket version, socket side can be installable in the data technology support, types DTG-2C and DTS-2C.



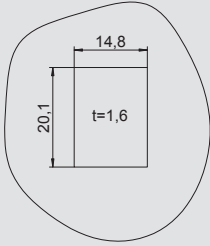
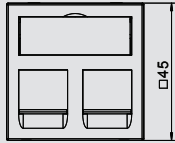
## Data technology support, 1 module, straight outlet, Type A

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>DTG-2A RW1</b>	Pure white	1	1	1.100	<b>6119 20 2</b>
<b>DTG-2A SWGR1</b>	Black-grey	1	1	1.100	<b>6119 20 4</b>
<b>DTG-2A AL1</b>	Aluminium painted	1	1	1.100	<b>6119 20 6</b>

**PC** Polycarbonate /pc.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type A has a mounting opening of 20.10 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type A data technology support is suitable for accepting the following data connection modules: AMP TYCO (without dust protection cap); SL Series 110Connect and SL Series Toolless; Brand-Rex: modules with item numbers ending in ...JAKS000CR and ...JAKU002; Nexans: LANmark RJ45 with blue adapter clip, LANmark GG45 with metal clip.



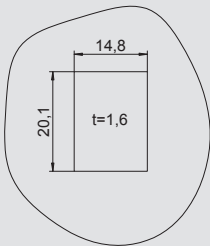
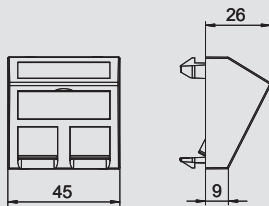
## Data technology support, 1 module, slanting outlet, Type A

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>DTS-2A RW1</b>	Pure white	1	1	1.500	<b>6119 23 8</b>
<b>DTS-2A SWGR1</b>	Black-grey	1	1	1.500	<b>6119 24 0</b>
<b>DTS-2A AL1</b>	Aluminium painted	1	1	1.500	<b>6119 24 2</b>

**PC** Polycarbonate /pc.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type A has a mounting opening of 20.10 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type A data technology support is suitable for accepting the following data connection modules: AMP TYCO (without dust protection cap); SL Series 110Connect and SL Series Toolless; Brand-Rex: modules with item numbers ending in ...JAKS000CR and ...JAKU002; Nexans: LANmark RJ45 with blue adapter clip, LANmark GG45 with metal clip.



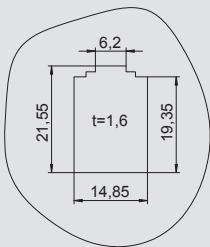
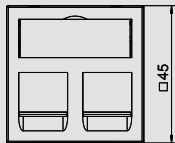
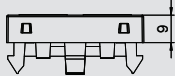
## Data technology support, 1 module, straight outlet, Type B

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>DTG-2B RW1</b>	Pure white	1	1	1.100	<b>6119 20 8</b>
<b>DTG-2B SWGR1</b>	Black-grey	1	1	1.100	<b>6119 21 0</b>
<b>DTG-2B AL1</b>	Aluminium painted	1	1	1.100	<b>6119 21 2</b>

**PC** Polycarbonate /pc.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type B has a mounting opening of 19.35/21.55 x 14.85 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type B data technology support is suitable for accepting the following data connection modules: BTR (module design): Cat.6A module and UTP module; Dätwyler: MS and MS-N.



# Universal data technology support for Modul 45®



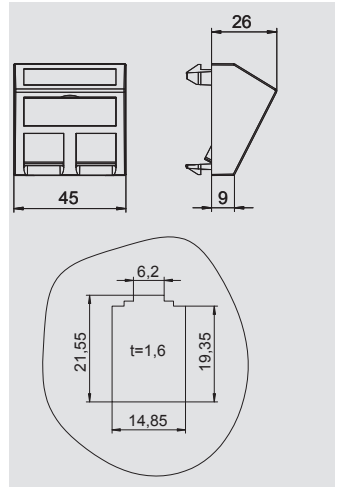
## Data technology support, 1 module, slanting outlet, Type B

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTS-2B RW1</b>	Pure white	1	1.500	<b>6119 24 4</b>
<b>DTS-2B SWGR1</b>	Black-grey	1	1.500	<b>6119 24 6</b>
<b>DTS-2B AL1</b>	Aluminium painted	1	1.500	<b>6119 24 8</b>

**PC** Polycarbonate /pc.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type B has a mounting opening of 19.35/21.55 x 14.85 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type B data technology support is suitable for accepting the following data connection modules: BTR (module design): Cat.6A module and UTP module; Dätwyler: MS and MS-N.



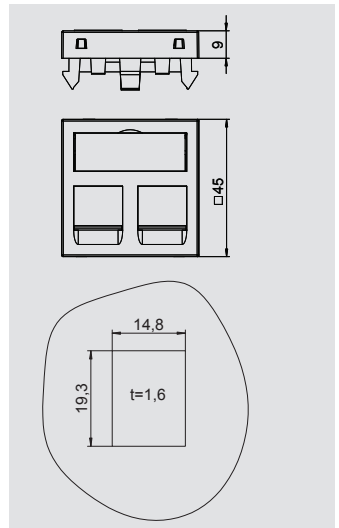
## Data technology support, 1 module, straight outlet, Type C

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTG-2C RW1</b>	Pure white	1	1.100	<b>6119 21 4</b>
<b>DTG-2C SWGR1</b>	Black-grey	1	1.100	<b>6119 21 6</b>
<b>DTG-2C AL1</b>	Aluminium painted	1	1.100	<b>6119 21 8</b>

**PC** Polycarbonate /pc.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat.6A module, E-DAT module and UAE module; Corning: Modules with Keystone seat; Dätwyler: KS-T, MS-K and KU-T; EKV: E-Stone; Harting: Prelink Keystone Cat.6; Leoni Kerpen: MegaLine Keystone Cat.6A; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat.6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.



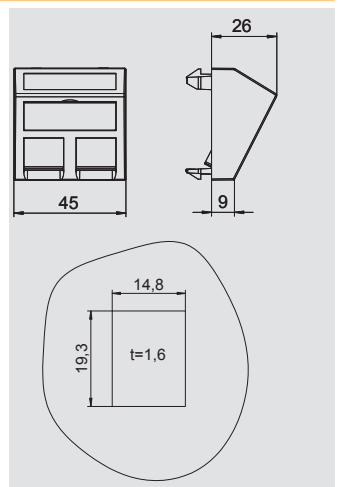
## Data technology support, 1 module, slanting outlet, Type C

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTS-2C RW1</b>	Pure white	1	1.500	<b>6119 25 0</b>
<b>DTS-2C SWGR1</b>	Black-grey	1	1.500	<b>6119 25 2</b>
<b>DTS-2C AL1</b>	Aluminium painted	1	1.500	<b>6119 25 4</b>

**PC** Polycarbonate /pc.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type C data technology support is suitable for accepting the following data connection modules: BTR (Keystone design): Cat.6A module, E-DAT module and UAE module; Corning: Modules with Keystone seat; Dätwyler: KS-T, MS-K and KU-T; EKV: E-Stone; Harting: Prelink Keystone Cat.6; Leoni Kerpen: MegaLine Keystone Cat.6A; OBO: Type ASM-C6A and ASM-C6A G; R&M: Cat.6A with Keystone fastening; Rutenbeck: UM and UMflex; SETEC: UKJ and XKJ; Telegärtner: AMJ and UMJ.





## Data technology support, 1 module, straight outlet, Type C, without dust protection slider

Type	Colour	Pack.	Weight	Item No.
<b>DTG-02C RW1</b>	Pure white	1	1.000	<b>6119 28 0</b>
<b>DTG-02C SWGR1</b>	Black-grey	1	1.000	<b>6119 28 2</b>
<b>DTG-02C AL1</b>	Aluminium painted	1	1.000	<b>6119 28 4</b>

**PC** Polycarbonate

Data technology support with straight outlet and without a locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type C data technology support (without dust protection slider) is suitable for accepting the following data connection modules: 3M: Volition K6, K10 and CAT6A.



## Data technology support, 1 module, slanting outlet, Type C, without dust protection slider

Type	Colour	Pack.	Weight	Item No.
<b>DTS-02C RW1</b>	Pure white	1	1.400	<b>6119 28 6</b>
<b>DTS-02C SWGR1</b>	Black-grey	1	1.400	<b>6119 28 8</b>
<b>DTS-02C AL1</b>	Aluminium painted	1	1.400	<b>6119 29 0</b>

**PC** Polycarbonate

Data technology support with slanting outlet and without a locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type C has a mounting opening of 19.30 x 14.80 mm and is designed for direct fastening of the data connection modules in the mounting opening.

The Type C data technology support (without dust protection slider) is suitable for accepting the following data connection modules: 3M: Volition K6, K10 and CAT6A.



## Data technology support, 1 module, straight outlet, Type EP

Type	Colour	Pack.	Weight	Item No.
<b>DTG-2EP RW1</b>	Pure white	1	1.100	<b>6119 23 2</b>
<b>DTG-2EP SWGR1</b>	Black-grey	1	1.100	<b>6119 23 4</b>
<b>DTG-2EP AL1</b>	Aluminium painted	1	1.100	<b>6119 23 6</b>

**PC** Polycarbonate

/pc.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type EP has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type EP data technology support is suitable for accepting the following data connection modules: Leoni Kerpen: ELine 500 plus (without dust protection cap).



## Data technology support, 1 module, slanting outlet, Type EP

Type	Colour	Pack.	Weight	Item No.
<b>DTS-2EP RW1</b>	Pure white	1	1.500	<b>6119 26 8</b>
<b>DTS-2EP SWGR1</b>	Black-grey	1	1.500	<b>6119 27 0</b>
<b>DTS-2EP AL1</b>	Aluminium painted	1	1.500	<b>6119 27 2</b>

**PC** Polycarbonate

/pc.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type EP has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type EP data technology support is suitable for accepting the following data connection modules: Leoni Kerpen: ELine 500 plus (without dust protection cap).



# Universal data technology support for Modul 45®

## Data technology support, 1 module, straight outlet, Type F

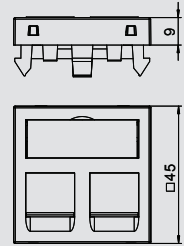


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTG-2F RW1</b>	Pure white	1	1.100	<b>6119 22 0</b>
<b>DTG-2F SWGR1</b>	Black-grey	1	1.100	<b>6119 22 2</b>
<b>DTG-2F AL1</b>	Aluminium painted	1	1.100	<b>6119 22 4</b>

PC Polycarbonate /pc.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type F has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type F data technology support is suitable for accepting the following data connection modules: Avaya/Systemax: M series.



## Data technology support, 1 module, slanting outlet, Type F

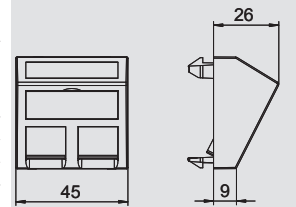


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTS-2F RW1</b>	Pure white	1	1.500	<b>6119 25 6</b>
<b>DTS-2F SWGR1</b>	Black-grey	1	1.500	<b>6119 25 8</b>
<b>DTS-2F AL1</b>	Aluminium painted	1	1.500	<b>6119 26 0</b>

PC Polycarbonate /pc.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type F has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type F data technology support is suitable for accepting the following data connection modules: Avaya/Systemax: M series.



## Data technology support, 1 module, straight outlet, Type PA

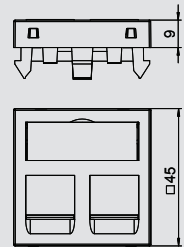


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTG-2PA RW1</b>	Pure white	1	1.100	<b>6119 22 6</b>
<b>DTG-2PA SWGR1</b>	Black-grey	1	1.100	<b>6119 22 8</b>
<b>DTG-2PA AL1</b>	Aluminium painted	1	1.100	<b>6119 23 0</b>

PC Polycarbonate /pc.

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type PA has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type PA data technology support is suitable for accepting the following data connection modules: Panduit: Mini-Com.



## Data technology support, 1 module, slanting outlet, Type PA

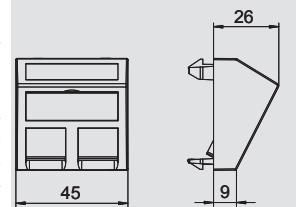


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTS-2PA RW1</b>	Pure white	1	1.500	<b>6119 26 2</b>
<b>DTS-2PA SWGR1</b>	Black-grey	1	1.500	<b>6119 26 4</b>
<b>DTS-2PA AL1</b>	Aluminium painted	1	1.500	<b>6119 26 6</b>

PC Polycarbonate /pc.

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type PA has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type PA data technology support is suitable for accepting the following data connection modules: Panduit: Mini-Com.



## Data technology support, 1 module, straight outlet, Type RM

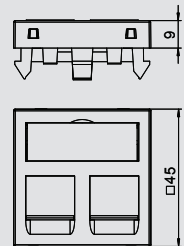


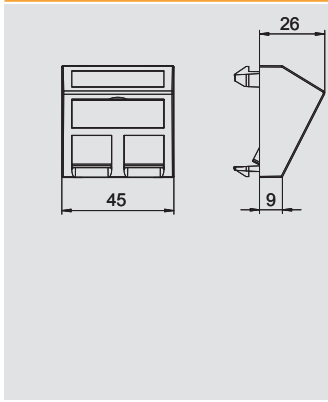
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DTG-2RM RW1</b>	Pure white	1	1.100	<b>6119 29 2</b>
<b>DTG-2RM SWGR1</b>	Black-grey	1	1.100	<b>6119 29 4</b>
<b>DTG-2RM AL1</b>	Aluminium painted	1	1.100	<b>6119 29 6</b>

PC Polycarbonate

Data technology support with straight outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type RM data technology support is suitable for accepting the following data connection modules: OBO: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.





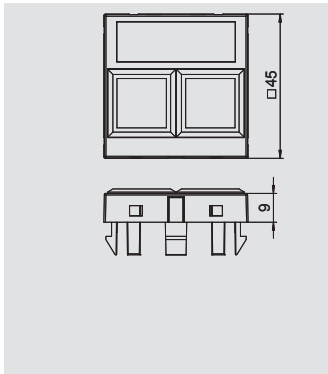
## Data technology support, 1 module, slanting outlet, Type RM

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>DTS-2RM RW1</b>	Pure white		1	1.500	<b>6119 29 8</b>
<b>DTS-2RM SWGR1</b>	Black-grey		1	1.500	<b>6119 30 0</b>
<b>DTS-2RM AL1</b>	Aluminium painted		1	1.500	<b>6119 30 2</b>

PC Polycarbonate

Data technology support with slanting outlet and locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type RM has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type RM data technology support is suitable for accepting the following data connection modules: OBO: Types ASM-C5, ASM-C5 G, ASM-C6 and ASM-C6 G; R&M: Cat.5 and Cat.6 modules without support plate.



## Data technology support, 1 module, straight outlet, Type LE

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>DTG-02LE RW1</b>	Pure white		1	0.900	<b>6119 30 4</b>
<b>DTG-02LE SWGR1</b>	Black-grey		1	0.900	<b>6119 30 6</b>
<b>DTG-02LE AL1</b>	Aluminium painted		1	0.900	<b>6119 30 8</b>

PC Polycarbonate










Data technology support with straight outlet and without a locking slider to accept two data technology connection modules with RJ45 socket. The locking fastening is suitable for horizontal and vertical installation in the system environment. Type LE has a special module seat and is designed for indirect fastening of the data connection modules in the mounting opening.

The Type LE data technology support is suitable for accepting the following data connection modules: LexCom/Schneider: LexCom 125, LexCom 250 and LexCom 500.





## Modul 45® systems, multimedia solutions

	Multimedia support, VGA / D-Sub9	VGA socket, as screw connection VGA socket, with connection cable D-Sub9 socket, as screw connection D-Sub9 socket, with connection cable VGA / D-Sub9 support, without plug connector	126
	Multimedia support, DVI	DVI-I socket, as screw connection DVI-I socket, with connection cable DVI-I support, without plug connector	127
	Multimedia support, HDMI	HDMI socket, as screw connection HDMI socket, with connection cable	128
	Multimedia support, USB	USB 2.0 socket, as screw connection USB 2.0 socket, with connection cable USB 3.0 socket, as screw connection USB 3.0 socket, with connection cable	129
	Multimedia support, jack	Mini jack socket, as soldered connection	131
	Multimedia support, cinch	1x socket for Composite Video, as soldered connection 1x socket for Composite Video, as 1:1 coupling 2x sockets for Audio-Stereo, as soldered connection 2x sockets for Audio-Stereo, as 1:1 coupling 3x sockets for Component Video, as soldered connection 3x sockets for Component Video, as 1:1 coupling 3x sockets for Audio / Video, as soldered connection 3x sockets for Audio / Video, as 1:1 coupling	131
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	Multimedia support, XLR	XLR socket, 3-pin, as soldered connection XLR connector, 3-pin, as soldered connection XLR support, without plug connector	135
	Antenna socket	SAT Radio, TV Radio, TV, SAT	135

# Multimedia connection solutions, Modul 45®

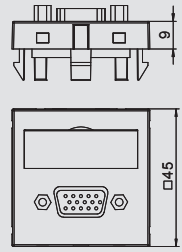


## VGA connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTG-VGA S RW1</b>	Pure white	1	2.400	<b>6104 61 0</b>
<b>MTG-VGA S SWGR1</b>	Black-grey	1	2.400	<b>6104 61 3</b>
<b>MTG-VGA S AL1</b>	Aluminium painted	1	2.400	<b>6104 61 6</b>

**PC** Polycarbonate

Multimedia support with one VGA connection socket, straight cable outlet, with labelling panel, VGA socket (HD15) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

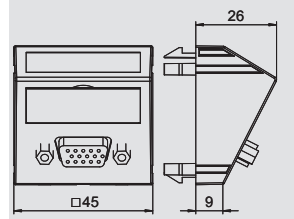


## VGA connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTS-VGA S RW1</b>	Pure white	1	2.600	<b>6104 62 2</b>
<b>MTS-VGA S SWGR1</b>	Black-grey	1	2.600	<b>6104 62 5</b>
<b>MTS-VGA S AL1</b>	Aluminium painted	1	2.600	<b>6104 62 8</b>

**PC** Polycarbonate

Multimedia support with one VGA connection socket, slanting cable outlet, with labelling panel, VGA socket (HD15) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

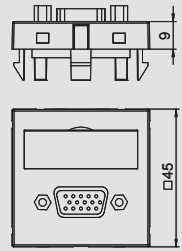


## VGA connection, 1 module, straight outlet, with connection cable

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTG-VGA F RW1</b>	Pure white	1	5.200	<b>6104 65 8</b>
<b>MTG-VGA F SWGR1</b>	Black-grey	1	5.200	<b>6104 66 1</b>
<b>MTG-VGA F AL1</b>	Aluminium painted	1	5.200	<b>6104 66 4</b>

**PC** Polycarbonate

Multimedia support with one VGA connection socket, straight cable outlet, with labelling panel, short VGA connection cable (HD15), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.

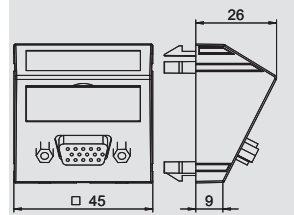


## VGA connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTS-VGA F RW1</b>	Pure white	1	5.400	<b>6104 67 0</b>
<b>MTS-VGA F SWGR1</b>	Black-grey	1	5.400	<b>6104 67 3</b>
<b>MTS-VGA F AL1</b>	Aluminium painted	1	5.400	<b>6104 67 6</b>

**PC** Polycarbonate

Multimedia support with one VGA connection socket, slanting cable outlet, with labelling panel, short VGA connection cable (HD15), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.

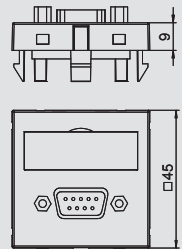


## D-Sub9 connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTG-DB9 S RW1</b>	Pure white	1	2.400	<b>6104 63 4</b>
<b>MTG-DB9 S SWGR1</b>	Black-grey	1	2.400	<b>6104 63 7</b>
<b>MTG-DB9 S AL1</b>	Aluminium painted	1	2.400	<b>6104 64 0</b>

**PC** Polycarbonate

Multimedia support with one D-Sub9 connection socket, straight cable outlet, with labelling panel, D-Sub9 socket (RS232) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

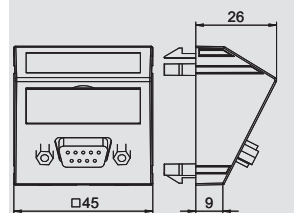


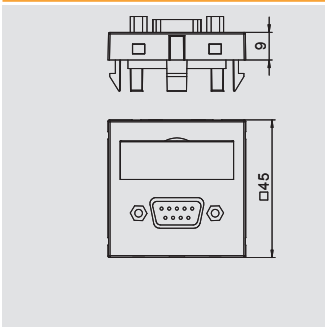
## D-Sub9 connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTS-DB9 S RW1</b>	Pure white	1	2.600	<b>6104 64 6</b>
<b>MTS-DB9 S SWGR1</b>	Black-grey	1	2.600	<b>6104 64 9</b>
<b>MTS-DB9 S AL1</b>	Aluminium painted	1	2.600	<b>6104 65 2</b>

**PC** Polycarbonate

Multimedia support with one D-Sub9 connection socket, slanting cable outlet, with labelling panel, D-Sub9 socket (RS232) with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.





**D-Sub9 connection, 1 module, straight outlet, with connection**

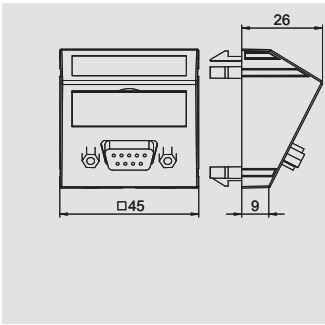
**cable**

Type	Colour	Pack.	Weight	Item No.
MTG-DB9 F RW1	Pure white	1	5.200	6104 68 2
MTG-DB9 F SWGR1	Black-grey	1	5.200	6104 68 5
MTG-DB9 F AL1	Aluminium painted	1	5.200	6104 68 8



PC Polycarbonate

Multimedia support with one D-Sub9 connection socket, straight cable outlet, with labelling panel, short D-Sub9 connection cable (RS232), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.



**D-Sub9 connection, 1 module, slanting outlet, with connection**

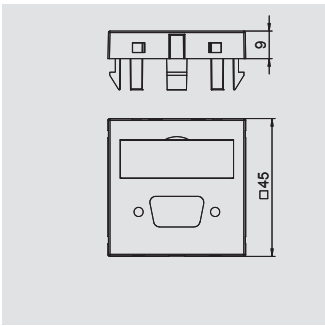
**cable**

Type	Colour	Pack.	Weight	Item No.
MTS-DB9 F RW1	Pure white	1	5.400	6104 69 4
MTS-DB9 F SWGR1	Black-grey	1	5.400	6104 69 7
MTS-DB9 F AL1	Aluminium painted	1	5.400	6104 70 0



PC Polycarbonate

Multimedia support with one D-Sub9 connection socket, slanting cable outlet, with labelling panel, short D-Sub9 connection cable (RS232), socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.



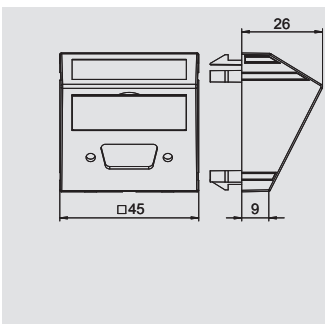
**Multimedia support for VGA / D-Sub9 plug connector, 1 module, straight outlet**

Type	Colour	Pack.	Weight	Item No.
MTG-DB O RW1	Pure white	1	0.700	6104 70 6
MTG-DB O SWGR1	Black-grey	1	0.700	6104 70 9
MTG-DB O AL1	Aluminium painted	1	0.700	6104 71 2



PC Polycarbonate

Multimedia support for a VGA / D-Sub9 plug connector, straight cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



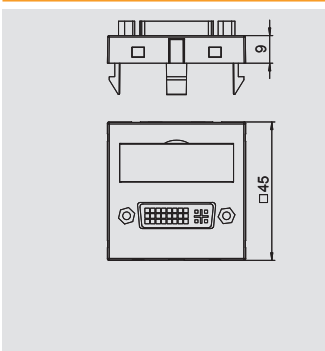
**Multimedia support for VGA / D-Sub9 plug connector, 1 module, slanting outlet**

Type	Colour	Pack.	Weight	Item No.
MTS-DB O RW1	Pure white	1	0.900	6104 71 8
MTS-DB O SWGR1	Black-grey	1	0.900	6104 72 1
MTS-DB O AL1	Aluminium painted	1	0.900	6104 72 4



PC Polycarbonate

Multimedia support for a VGA / D-Sub9 plug connector, slanting cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



**DVI-I connection, 1 module, straight outlet, as screw connection**

Type	Colour	Pack.	Weight	Item No.
MTG-DVI S RW1	Pure white	1	3.500	6104 73 0
MTG-DVI S SWGR1	Black-grey	1	3.500	6104 73 3
MTG-DVI S AL1	Aluminium painted	1	3.500	6104 73 6



PC Polycarbonate

Multimedia support with one DVI-I connection socket, straight cable outlet, with labelling panel, DVI-I socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Note: Device installation in Rapid 45 device installation ducts is not possible on account of the device dimensions.

# Multimedia connection solutions, Modul 45®

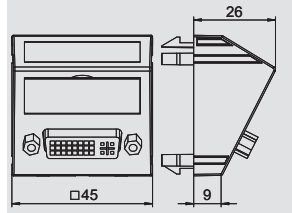


## DVI-I connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
MTS-DVI S RW1	Pure white	1	3.700		6104 74 2
MTS-DVI S SWGR1	Black-grey	1	3.700		6104 74 5
MTS-DVI S AL1	Aluminium painted	1	3.700		6104 74 8

PC Polycarbonate

Multimedia support with one DVI-I connection socket, slanting cable outlet, with labelling panel, DVI-I socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

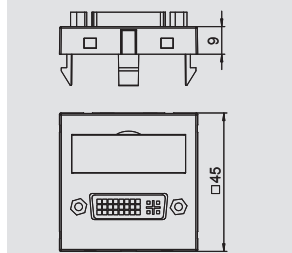


## DVI-I connection, 1 module, straight outlet, with connection cable

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
MTG-DVI F RW1	Pure white	1	6.000		6104 75 4
MTG-DVI F SWGR1	Black-grey	1	6.000		6104 75 7
MTG-DVI F AL1	Aluminium painted	1	6.000		6104 76 0

PC Polycarbonate

Multimedia support with one DVI-I connection socket, straight cable outlet, with labelling panel, short DVI-I connection cable, socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.

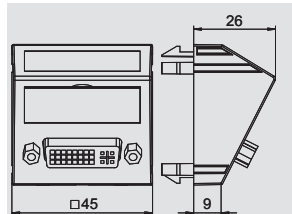


## DVI-I connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
MTS-DVI F RW1	Pure white	1	6.200		6104 76 6
MTS-DVI F SWGR1	Black-grey	1	6.200		6104 76 9
MTS-DVI F AL1	Aluminium painted	1	6.200		6104 77 2

PC Polycarbonate

Multimedia support with one DVI-I connection socket, slanting cable outlet, with labelling panel, short DVI-I connection cable, socket-socket version. Support with locking fastening, suitable for horizontal and vertical installation in the system environment.

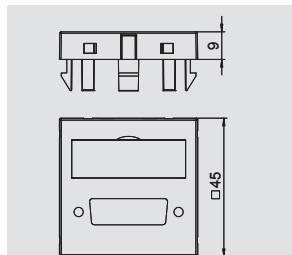


## Multimedia support for DVI plug connector, 1 module, straight outlet

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
MTG-DV O RW1	Pure white	1	0.700		6104 77 8
MTG-DV O SWGR1	Black-grey	1	0.700		6104 78 1
MTG-DV O AL1	Aluminium painted	1	0.700		6104 78 4

PC Polycarbonate

Multimedia support for a DVI plug connector, straight cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

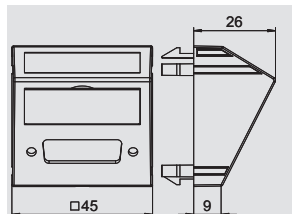


## Multimedia support for DVI plug connector, 1 module, slanting outlet

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
MTS-DV O RW1	Pure white	1	0.900		6104 79 0
MTS-DV O SWGR1	Black-grey	1	0.900		6104 79 3
MTS-DV O AL1	Aluminium painted	1	0.900		6104 79 6

PC Polycarbonate

Multimedia support for a DVI plug connector, slanting cable outlet, with labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



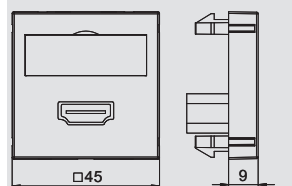
## HDMI connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
MTG-HD S RW1	Pure white	1	3.200		6104 80 2
MTG-HD S SWGR1	Black-grey	1	3.200		6104 80 5
MTG-HD S AL1	Aluminium painted	1	3.200		6104 80 8

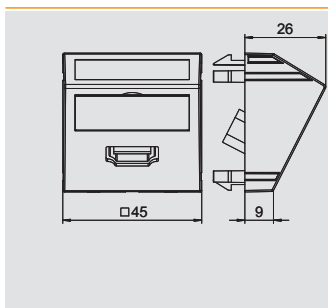
PC Polycarbonate

Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

Note: Device installation in Rapid 45 device installation ducts and ISSR..45 / ISSD..45 service poles is not possible on account of the device dimensions.





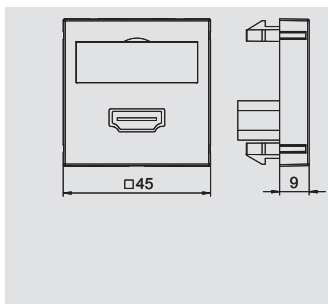


## HDMI connection, 1 module, slanting outlet, as screw connection

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTS-HD S RW1	Pure white		1	3.400	6104 81 4
MTS-HD S SWGR1	Black-grey		1	3.400	6104 81 7
MTS-HD S AL1	Aluminium painted		1	3.400	6104 82 0

PC Polycarbonate

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, HDMI socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

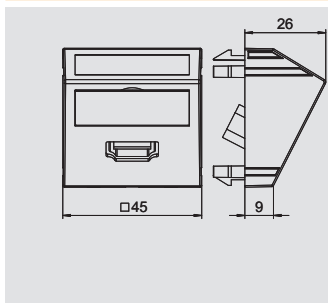


## HDMI connection, 1 module, straight outlet, with connection cable

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-HD F RW1	Pure white		1	6.000	6104 82 6
MTG-HD F SWGR1	Black-grey		1	6.000	6104 82 9
MTG-HD F AL1	Aluminium painted		1	6.000	6104 83 2

PC Polycarbonate

Multimedia support with one HDMI connection socket, straight cable outlet, with labelling panel, short HDMI connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

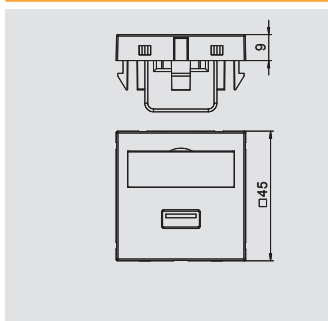


## HDMI connection, 1 module, slanting outlet, with connection cable

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTS-HD F RW1	Pure white		1	6.200	6104 83 8
MTS-HD F SWGR1	Black-grey		1	6.200	6104 84 1
MTS-HD F AL1	Aluminium painted		1	6.200	6104 84 4

PC Polycarbonate

Multimedia support with one HDMI connection socket, slanting cable outlet, with labelling panel, short HDMI connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

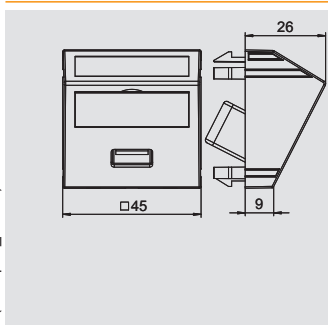


## USB 2.0 connection, 1 module, straight outlet, as screw connection

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-U2A S RW1	Pure white		1	2.500	6104 85 0
MTG-U2A S SWGR1	Black-grey		1	2.500	6104 85 3
MTG-U2A S AL1	Aluminium painted		1	2.500	6104 85 6

PC Polycarbonate

Multimedia support with one USB 2.0 connection socket, straight cable outlet, with labelling panel, USB 2.0 Type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

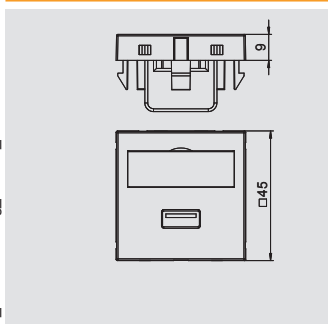


## USB 2.0 connection, 1 module, slanting outlet, as screw connection

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTS-U2A S RW1	Pure white		1	2.700	6104 86 2
MTS-U2A S SWGR1	Black-grey		1	2.700	6104 86 5
MTS-U2A S AL1	Aluminium painted		1	2.700	6104 86 8

PC Polycarbonate

Multimedia support with one USB 2.0 connection socket, slanting cable outlet, with labelling panel, USB 2.0 Type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## USB 2.0 connection, 1 module, straight outlet, with connection cable

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-U2A F RW1	Pure white		1	6.000	6104 89 8
MTG-U2A F SWGR1	Black-grey		1	6.000	6104 90 1
MTG-U2A F AL1	Aluminium painted		1	6.000	6104 90 4

PC Polycarbonate

Multimedia support with one USB 2.0 connection socket, straight cable outlet, with labelling panel, short USB 2.0 Type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



# Multimedia connection solutions, Modul 45®

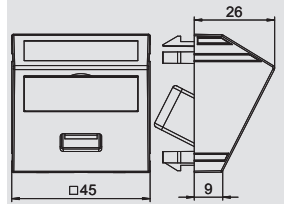


## USB 2.0 connection, 1 module, slanting outlet, with connection cable

Type	Colour	Pack.	Weight	Item No.
MTS-U2A F RW1	Pure white	1	6.200	6104 91 0
MTS-U2A F SWGR1	Black-grey	1	6.200	6104 91 3
MTS-U2A F AL1	Aluminium painted	1	6.200	6104 91 6

**PC** Polycarbonate

Multimedia support with one USB 2.0 connection socket, slanting cable outlet, with labelling panel, short USB 2.0 Type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

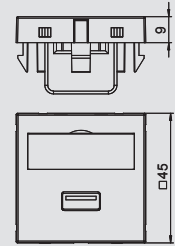


## USB 3.0 connection, 1 module, straight outlet, as screw connection

Type	Colour	Pack.	Weight	Item No.
MTG-U3A S RW1	Pure white	1	2.500	6104 87 4
MTG-U3A S SWGR1	Black-grey	1	2.500	6104 87 7
MTG-U3A S AL1	Aluminium painted	1	2.500	6104 88 0

**PC** Polycarbonate

Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, USB 3.0 Type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

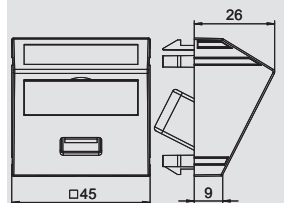


## USB 3.0 connection, 1 module, slanting outlet, as screw connection

Type	Colour	Pack.	Weight	Item No.
MTS-U3A S RW1	Pure white	1	2.700	6104 88 6
MTS-U3A S SWGR1	Black-grey	1	2.700	6104 88 9
MTS-U3A S AL1	Aluminium painted	1	2.700	6104 89 2

**PC** Polycarbonate

Multimedia support with one USB 3.0 connection socket, slanting cable outlet, with labelling panel, USB 3.0 Type A socket with screw connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

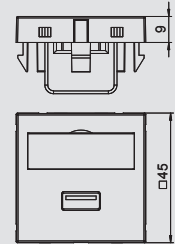


## USB 3.0 connection, 1 module, straight outlet, with connection cable

Type	Colour	Pack.	Weight	Item No.
MTG-U3A F RW1	Pure white	1	6.000	6104 92 2
MTG-U3A F SWGR1	Black-grey	1	6.000	6104 92 5
MTG-U3A F AL1	Aluminium painted	1	6.000	6104 92 8

**PC** Polycarbonate

Multimedia support with one USB 3.0 connection socket, straight cable outlet, with labelling panel, short USB 3.0 Type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

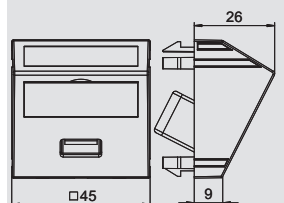


## USB 3.0 connection, 1 module, slanting outlet, with connection cable

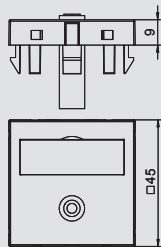
Type	Colour	Pack.	Weight	Item No.
MTS-U3A F RW1	Pure white	1	6.200	6104 93 4
MTS-U3A F SWGR1	Black-grey	1	6.200	6104 93 7
MTS-U3A F AL1	Aluminium painted	1	6.200	6104 94 0

**PC** Polycarbonate

Multimedia support with one USB 3.0 connection socket, slanting cable outlet, with labelling panel, short USB 3.0 Type A connection cable, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Mini jack connection, 1 module, straight outlet, as soldered connection



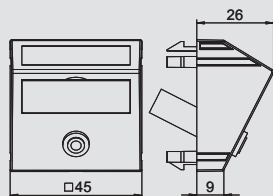
Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-MK L RW1	Pure white		1	1.500	6104 94 6
MTG-MK L SWGR1	Black-grey		1	1.500	6104 94 9
MTG-MK L AL1	Aluminium painted		1	1.500	6104 95 2

PC Polycarbonate

Multimedia support with one mini jack connection socket, straight cable outlet, with labelling panel, mini cinch socket (TRS 3.5 mm) with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Mini jack connection, 1 module, slanting outlet, as soldered connection



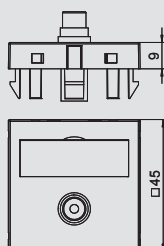
Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTS-MK L RW1	Pure white		1	1.700	6104 95 8
MTS-MK L SWGR1	Black-grey		1	1.700	6104 96 1
MTS-MK L AL1	Aluminium painted		1	1.700	6104 96 4

PC Polycarbonate

Multimedia support with one mini jack connection socket, slanting cable outlet, with labelling panel, mini cinch socket (TRS 3.5 mm) with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Video cinch connection, 1 module, straight outlet, as soldered connection



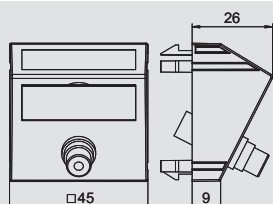
Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-R L RW1	Pure white		1	1.500	6104 97 0
MTG-R L SWGR1	Black-grey		1	1.500	6104 97 3
MTG-R L AL1	Aluminium painted		1	1.500	6104 97 6

PC Polycarbonate

Multimedia support with one cinch connection socket for composite video, straight cable outlet, with labelling panel, cinch socket (RCA) with soldered connection, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Video cinch connection, 1 module, slanting outlet, as soldered connection



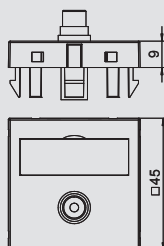
Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTS-R L RW1	Pure white		1	1.700	6104 98 2
MTS-R L SWGR1	Black-grey		1	1.700	6104 98 5
MTS-R L AL1	Aluminium painted		1	1.700	6104 98 8

PC Polycarbonate

Multimedia support with one cinch connection socket for composite video, slanting cable outlet, with labelling panel, cinch socket (RCA) with soldered connection, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Video cinch connection, 1 module, straight outlet, as 1:1 coupling



Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-R F RW1	Pure white		1	1.500	6104 99 4
MTG-R F SWGR1	Black-grey		1	1.500	6104 99 7
MTG-R F AL1	Aluminium painted		1	1.500	6105 00 0

PC Polycarbonate

Multimedia support with one cinch connection socket for composite video, straight cable outlet, with labelling panel, cinch coupling (RCA), socket-socket version, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



# Multimedia connection solutions, Modul 45®

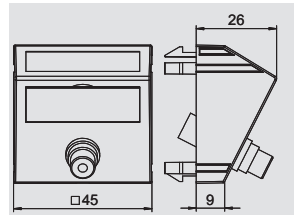


## Video cinch connection, 1 module, slanting outlet, as 1:1 coupling

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTS-R F RW1</b>	Pure white	1	1.700	<b>6105 00 6</b>
<b>MTS-R F SWGR1</b>	Black-grey	1	1.700	<b>6105 00 9</b>
<b>MTS-R F AL1</b>	Aluminium painted	1	1.700	<b>6105 01 2</b>

**PC** Polycarbonate

Multimedia support with one cinch connection socket for composite video, slanting cable outlet, with labelling panel, cinch coupling (RCA), socket-socket version, colour coding yellow. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

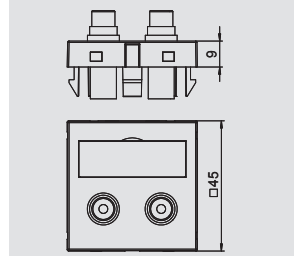


## Audio cinch connection, 1 module, straight outlet, as soldered connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTG-2R L RW1</b>	Pure white	1	2.500	<b>6105 04 2</b>
<b>MTG-2R L SWGR1</b>	Black-grey	1	2.500	<b>6105 04 5</b>
<b>MTG-2R L AL1</b>	Aluminium painted	1	2.500	<b>6105 04 8</b>

**PC** Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, straight cable outlet, with labelling panel, two cinch sockets (RCA) with soldered connection, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

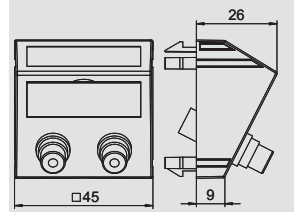


## Audio cinch connection, 1 module, slanting outlet, as soldered connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTS-2R L RW1</b>	Pure white	1	2.700	<b>6105 05 4</b>
<b>MTS-2R L SWGR1</b>	Black-grey	1	2.700	<b>6105 05 7</b>
<b>MTS-2R L AL1</b>	Aluminium painted	1	2.700	<b>6105 06 0</b>

**PC** Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, slanting cable outlet, with labelling panel, two cinch sockets (RCA) with soldered connection, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

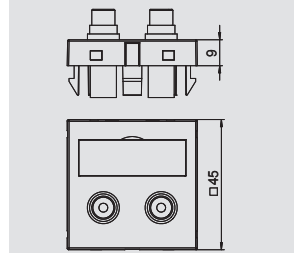


## Audio cinch connection, 1 module, straight outlet, as 1:1 coupling

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTG-2R F RW1</b>	Pure white	1	2.500	<b>6105 06 6</b>
<b>MTG-2R F SWGR1</b>	Black-grey	1	2.500	<b>6105 06 9</b>
<b>MTG-2R F AL1</b>	Aluminium painted	1	2.500	<b>6105 07 2</b>

**PC** Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, straight cable outlet, with labelling panel, two cinch couplings (RCA), socket-socket version, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

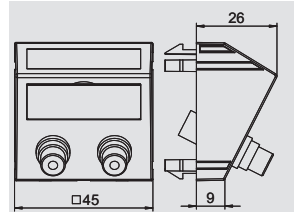


## Audio cinch connection, 1 module, slanting outlet, as 1:1 coupling

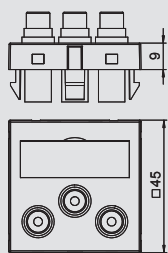
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>MTS-2R F RW1</b>	Pure white	1	2.700	<b>6105 07 8</b>
<b>MTS-2R F SWGR1</b>	Black-grey	1	2.700	<b>6105 08 1</b>
<b>MTS-2R F AL1</b>	Aluminium painted	1	2.700	<b>6105 08 4</b>

**PC** Polycarbonate

Multimedia support with two cinch connection sockets for audio R/L, slanting cable outlet, with labelling panel, two cinch couplings (RCA), socket-socket version, colour coding red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Component video connection, 1 module, straight outlet, as soldered connection



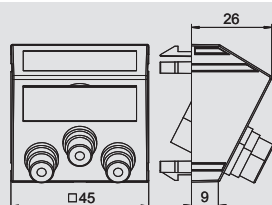
Type	Colour	Pack.	Weight	Item No.
MTG-3R L RW1	Pure white	1	3.200	6105 11 4
MTG-3R L SWGR1	Black-grey	1	3.200	6105 11 7
MTG-3R L AL1	Aluminium painted	1	3.200	6105 12 0

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, straight cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding red/green/blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Component video connection, 1 module, slanting outlet, as soldered connection



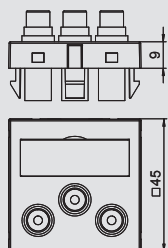
Type	Colour	Pack.	Weight	Item No.
MTS-3R L RW1	Pure white	1	3.400	6105 12 6
MTS-3R L SWGR1	Black-grey	1	3.400	6105 12 9
MTS-3R L AL1	Aluminium painted	1	3.400	6105 13 2

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, slanting cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding red/green/blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Component video connection, 1 module, straight outlet, as 1:1 coupling



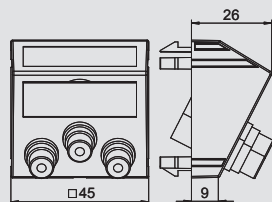
Type	Colour	Pack.	Weight	Item No.
MTG-3R F RW1	Pure white	1	3.200	6105 13 8
MTG-3R F SWGR1	Black-grey	1	3.200	6105 14 1
MTG-3R F AL1	Aluminium painted	1	3.200	6105 14 4

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, straight cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding red/green/blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Component video connection, 1 module, slanting outlet, as 1:1 coupling



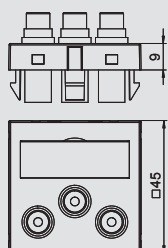
Type	Colour	Pack.	Weight	Item No.
MTS-3R F RW1	Pure white	1	3.400	6105 15 0
MTS-3R F SWGR1	Black-grey	1	3.400	6105 15 3
MTS-3R F AL1	Aluminium painted	1	3.400	6105 15 6

PC Polycarbonate

Multimedia support with three cinch connection sockets for component video, slanting cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding red/green/blue. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Audio/video cinch connection, 1 module, straight outlet, as soldered connection



Type	Colour	Pack.	Weight	Item No.
MTG-12R L RW1	Pure white	1	3.200	6105 16 2
MTG-12R L SWGR1	Black-grey	1	3.200	6105 16 5
MTG-12R L AL1	Aluminium painted	1	3.200	6105 16 8

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio-video, straight cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding yellow/red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



# Multimedia connection solutions, Modul 45®

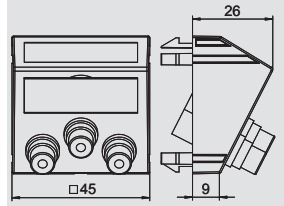
## Audio/video cinch connection, 1 module, slanting outlet, as soldered connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
MTS-12R L RW1	Pure white	1	3.400	6105 17 4
MTS-12R L SWGR1	Black-grey	1	3.400	6105 17 7
MTS-12R L AL1	Aluminium painted	1	3.400	6105 18 0

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio-video, slanting cable outlet, with labelling panel, three cinch sockets (RCA) with soldered connection, colour coding yellow/red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



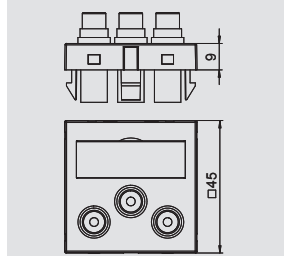
## Audio/video cinch connection, 1 module, straight outlet, as 1:1 coupling



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
MTG-12R F RW1	Pure white	1	3.200	6105 18 6
MTG-12R F SWGR1	Black-grey	1	3.200	6105 18 9
MTG-12R F AL1	Aluminium painted	1	3.200	6105 19 2

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio-video, straight cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding yellow/red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



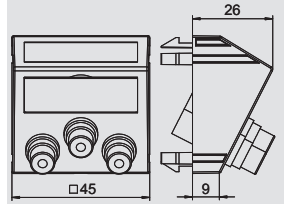
## Audio/video cinch connection, 1 module, slanting outlet, as 1:1 coupling



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
MTS-12R F RW1	Pure white	1	3.400	6105 19 8
MTS-12R F SWGR1	Black-grey	1	3.400	6105 20 1
MTS-12R F AL1	Aluminium painted	1	3.400	6105 20 4

PC Polycarbonate

Multimedia support with three cinch connection sockets for audio-video, slanting cable outlet, with labelling panel, three cinch couplings (RCA), socket-socket version, colour coding yellow/red/white. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



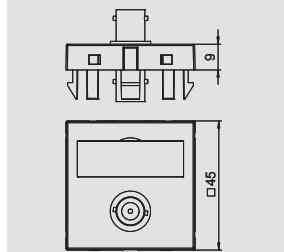
## BNC connection, 1 module, straight outlet, as 1:1 coupling



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
MTG-BC F RW1	Pure white	1	1.500	6105 01 8
MTG-BC F SWGR1	Black-grey	1	1.500	6105 02 1
MTG-BC F AL1	Aluminium painted	1	1.500	6105 02 4

PC Polycarbonate

Multimedia support with one BNC connection socket, straight cable outlet, with labelling panel, BNC cinch coupling, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



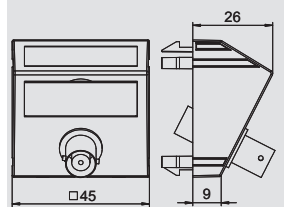
## BNC connection, 1 module, slanting outlet, as 1:1 coupling

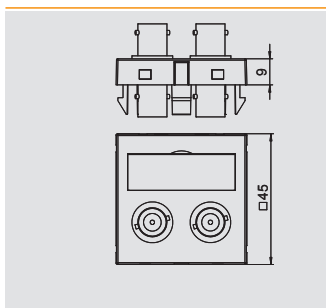


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
MTS-BC F RW1	Pure white	1	1.700	6105 03 0
MTS-BC F SWGR1	Black-grey	1	1.700	6105 03 3
MTS-BC F AL1	Aluminium painted	1	1.700	6105 03 6

PC Polycarbonate

Multimedia support with one BNC connection socket, slanting cable outlet, with labelling panel, BNC cinch coupling, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



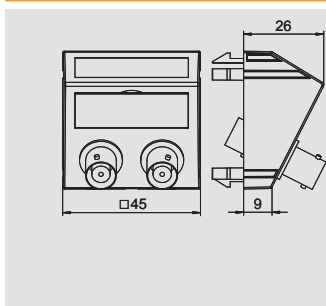


## 2x BNC connection, 1 module, straight outlet, as 1:1 coupling

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-2BC F RW1	Pure white		1	2.500	6105 09 0
MTG-2BC F SWGR1	Black-grey		1	2.500	6105 09 3
MTG-2BC F AL1	Aluminium painted		1	2.500	6105 09 6

**PC** Polycarbonate

Multimedia support with two BNC connection sockets, straight cable outlet, with labelling panel, two BNC couplings, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

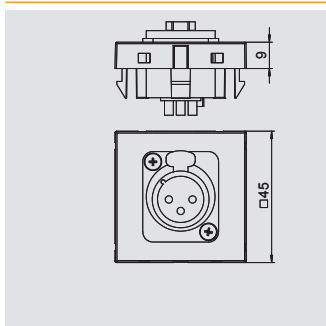


## 2x BNC connection, 1 module, slanting outlet, as 1:1 coupling

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTS-2BC F RW1	Pure white		1	2.700	6105 10 2
MTS-2BC F SWGR1	Black-grey		1	2.700	6105 10 5
MTS-2BC F AL1	Aluminium painted		1	2.700	6105 10 8

**PC** Polycarbonate

Multimedia support with two BNC connection sockets, slanting cable outlet, with labelling panel, two BNC couplings, socket-socket version. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

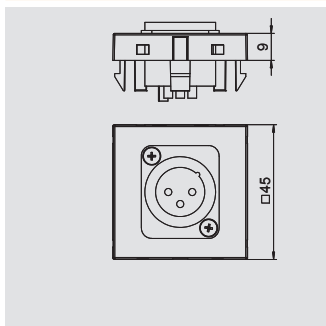


## XLR connection, 1 module, straight outlet, 3-pin socket, as soldered connection

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-X3F L RW1	Pure white		1	3.000	6105 21 0
MTG-X3F L SWGR1	Black-grey		1	3.000	6105 21 3
MTG-X3F L AL1	Aluminium painted		1	3.000	6105 21 6

**PC** Polycarbonate

Multimedia support with one XLR connection socket, straight cable outlet, without labelling panel, 3-pin XLR socket with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

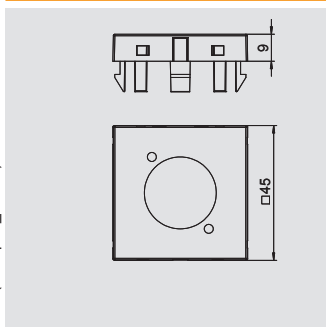


## XLR connection, 1 module, straight outlet, 3-pin connector, as soldered connection

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-X3M L RW1	Pure white		1	3.000	6105 22 2
MTG-X3M L SWGR1	Black-grey		1	3.000	6105 22 5
MTG-X3M L AL1	Aluminium painted		1	3.000	6105 22 8

**PC** Polycarbonate

Multimedia support with one XLR connection socket, straight cable outlet, without labelling panel, 3-pin XLR connector with soldered connection. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.

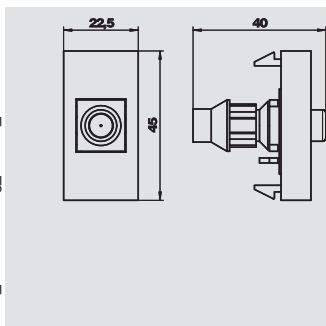


## Multimedia support for SLR plug connector, 1 module, straight outlet

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
MTG-X O RW1	Pure white		1	0.600	6105 23 4
MTG-X O SWGR1	Black-grey		1	0.600	6105 23 7
MTG-X O AL1	Aluminium painted		1	0.600	6105 24 0

**PC** Polycarbonate

Multimedia support for a XLR plug connector, straight cable outlet, without labelling panel, without plug connector. Support plate with locking fastening, suitable for horizontal and vertical installation in the system environment.



## Antenna connection coupling, 1/2 modules, SAT

Type	Colour		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
ANT-1S RW0.5	Pure white		1	2.250	6117 60 6
ANT-1S SWGR0.5	Black-grey		1	2.250	6117 61 0
ANT-1S AL0.5	Aluminium painted		1	2.250	6117 60 7

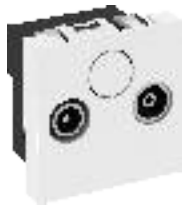
/pc.

Single socket for antennas, BK and satellite reception systems with SAT connection.

Frequency range: To 1 GHz  
Through attenuation: Max. 0.055 dB



# Multimedia connection solutions, Modul 45®



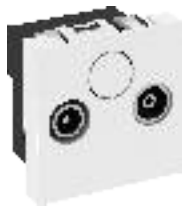
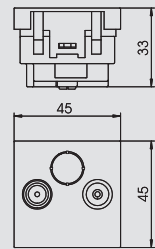
## Antenna socket, 1 module, TV/radio, single socket

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ANT-2E RW1</b>	Pure white	10	8.100	<b>6117 38 1</b>
<b>ANT-2E SWGR1</b>	Black-grey	10	8.100	<b>6117 38 3</b>
<b>ANT-2E AL1</b>	Aluminium painted	10	8.100	<b>6117 38 5</b>

/pc.

Single socket for antenna, BK and satellite reception systems with connection for TV and radio.

Frequency: 5-862 MHz  
 Heat attenuation: 1 dB  
 Return channel attenuation: 14 dB  
 EMC protection class A



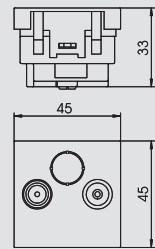
## Antenna socket, 1 module, TV/radio, pass-through socket

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ANT-2D RW1</b>	Pure white	10	8.100	<b>6117 38 7</b>
<b>ANT-2D SWGR1</b>	Black-grey	10	8.100	<b>6117 38 9</b>
<b>ANT-2D AL1</b>	Aluminium painted	10	8.100	<b>6117 39 1</b>

/pc.

Through socket for antenna, BK and satellite reception systems with connection for TV and radio.

Frequency: 5-862 MHz  
 Through attenuation: 4 dB  
 Heat attenuation: 14 dB  
 EMC protection class A



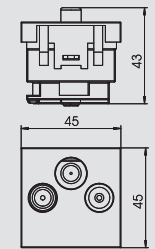
## Antenna socket, 1 module, TV/radio/SAT, single socket

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ANT-3E RW1</b>	Pure white	10	9.400	<b>6117 39 3</b>
<b>ANT-3E SWGR1</b>	Black-grey	10	9.400	<b>6117 39 5</b>
<b>ANT-3E AL1</b>	Aluminium painted	10	9.400	<b>6117 39 7</b>

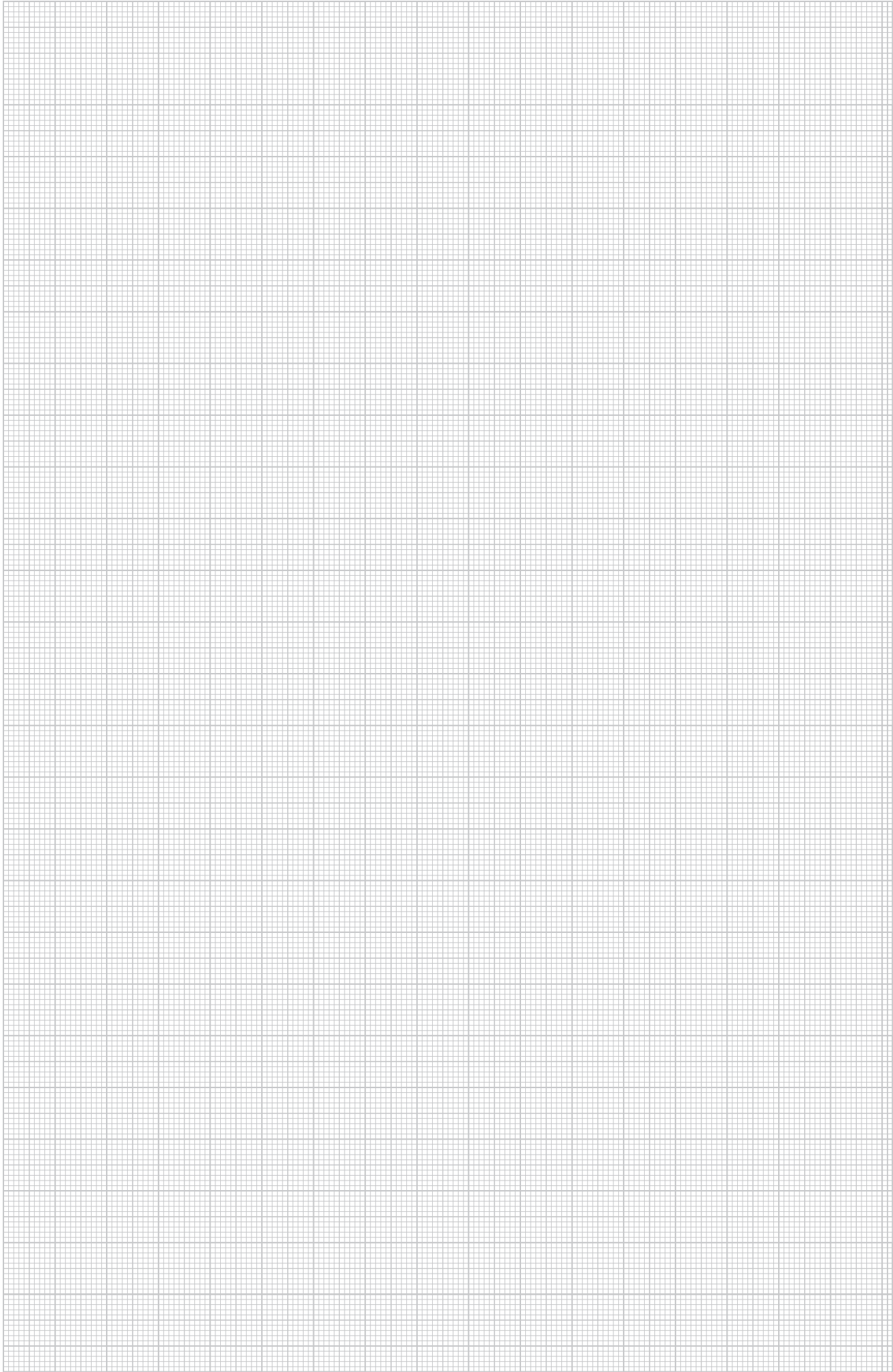
/pc.

Single socket for antenna, BK and satellite reception systems with connection for TV, radio and SAT.

Frequency: 5-2050 MHz  
 Heat attenuation:  
 5-862 MHz - 1 dB  
 950-2050 MHz - 2 dB  
 Return channel attenuation: 14 dB  
 EMC protection class A

















## Modul 45® systems, device installation solutions for concealed and surface-mounted systems

	Standard device installation 71 mm	Concealed accessory socket Signal cover Cavity wall socket Support plate Cover frame	140
	System device installation, 1.5x	Concealed socket Signal cover Cavity wall socket Support plate Cover frame	142
	System device installation, double	Concealed socket Signal cover Cavity wall socket Support plate Cover frame	143
	System device installation, triple	Concealed socket Signal cover Cavity wall socket Support plate Cover frame	144
	Modal net – surface-mounted housing	Basic configuration, double Expansion module, single	145
	Modal net – cavity wall installation	Cavity wall support Screen frame	145
	Modal net – accessories	Cover frame, double Cover frame, 2x single Protection insulation Glow lamp element	146
	Modal net - complete units	Triple, with protective contact sockets Single, with protective contact sockets  Triple, with earthing pin sockets	147



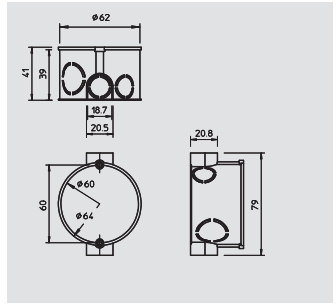
# Standard device installation, Modul 45®, concealed



## Concealed accessory socket Modul 45, single

Type	Colour	Height	Ø	Shipping box	Pack.	Weight	Item No.
		mm	max.	pcs	pcs	kg/100 pcs.	
<b>UG 60 D</b>	<b>Black</b>	40	60	300	25	1.490	<b>2003 01 5</b>

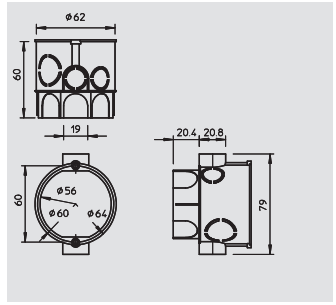
**PS** Polystyrene price/100 pc.  
 Accessory socket with torsion-resistant guaranteed standard combination spacing of 71 mm (to DIN 49 073-1) through snap-lock coupling. 7 break-out openings for cables and pipes Ø 20 mm and Ø 25 mm. Combinable for spreading and screw fastening, low-laying plaster holders, device screw spacing 60 mm, for screw fastening with self-tapping screws 3.2 mm, with two screw domes without screws, protection rating IP20.



## Concealed device/connection socket, single

Type	Colour	Height	Ø	Shipping box	Pack.	Weight	Item No.
		mm	max.	pcs	pcs	kg/100 pcs.	
<b>UG 60 VD</b>	<b>Black</b>	60	60	200	25	1.800	<b>2003 01 9</b>

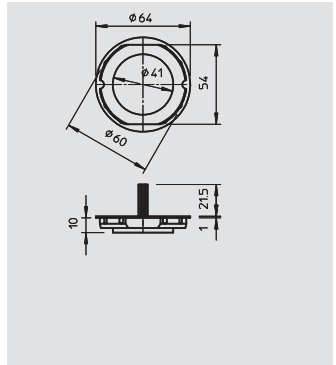
**PS** Polystyrene price/100 pc.  
 Accessory/connection socket with torsion-resistant guaranteed standard combination spacing of 71 mm (to DIN 49 073-1) through snap-lock coupling. 13 break-out openings for cables and pipes Ø 20 mm and Ø 25 mm. Combinable for spreading and screw fastening, low-laying plaster holders, device screw spacing 60 mm, for screw fastening with self-tapping screws 3.2 mm, with two screw domes without screws, protection rating IP20.



## Signal cover, single

Type	Colour	Ø	Shipping box	Pack.	Weight	Item No.
		max.	pcs	pcs	kg/100 pcs.	
<b>UG 60 SD</b>	<b>Red</b>	60	500	50	0.550	<b>2003 31 7</b>

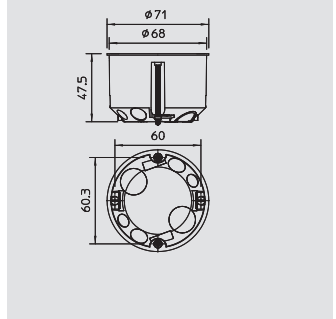
**PE** Polyethylene price/100 pc.  
 Signal covers protect the interior, the screw domes and screw heads on plastering. The marking bristles allow simple location of the sockets and boxes after plastering. The signal covers can be used several times. After plastering, simply push the cover into the socket and remove the signal cover.



## Cavity wall accessory socket, single

Type	Colour	Milling hole Ø	Height	Ø	Shipping box	Pack.	Weight	Item No.
		mm	mm	max.	pcs	pcs	kg/100 pcs.	
<b>HG 60</b>	<b>Orange</b>	68	47	68	250	25	2.240	<b>2003 41 4</b>

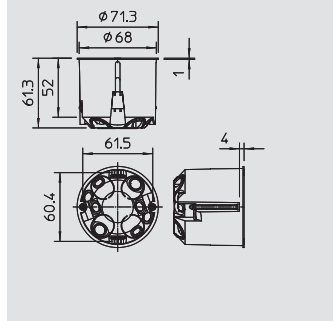
**PP** Polypropylene price/100 pc.  
 Cavity wall accessory socket. Dimensions to DIN 49073-1, for plate thickness 7-35 mm. Standard combination spacing 71 mm, option for continuous wiring using connection support for combinations between accessory sockets and accessory connection sockets, 8 break-out openings for NYM cables, data cables and pipes Ø 20 mm, accessory sockets can also be used as connection sockets to VDE 0606-1 with double bolt fastening and screw-on cover, protection rating IP20.



## Cavity wall accessory/connection socket, single

Type	Colour	Milling hole Ø	Height	Ø	Shipping box	Pack.	Weight	Item No.
		mm	mm	max.	pcs	pcs	kg/100 pcs.	
<b>HV 60</b>	<b>Orange</b>	68	61	68	200	25	2.740	<b>2003 44 2</b>

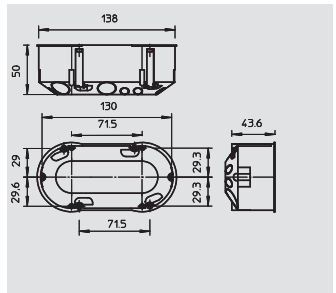
**PP** Polypropylene price/100 pc.  
 Cavity wall accessory/connection socket. Dimensions to DIN 49073-1, for plate thickness 7-35 mm. Standard combination spacing 71 mm, option for continuous wiring using connection support for combinations between accessory sockets and accessory connection sockets, 8 break-out openings for NYM cables, data cables and pipes Ø 20 mm, accessory sockets can also be used as connection sockets to VDE 0606-1 with double bolts fastening and screw-on cover, protection rating IP20.



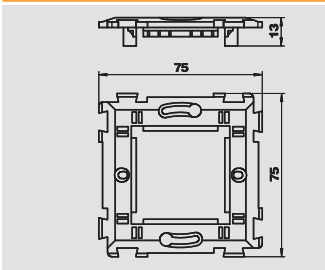
## Cavity wall double accessory socket, 2x single

Type	Installation type	Colour	Shipping box	Pack.	Weight	Item No.
			pcs	pcs	kg/100 pcs.	
<b>HG 60 2</b>	Cavity wall	<b>Orange</b>	100	10	4.850	<b>2003 42 2</b>

**PP** Polypropylene price/100 pc.  
 Double accessory socket, for two service units or one double service unit, with four device bolts. Dimensions to DIN 49073-1, for plate thickness 7-35 mm. Standard combination spacing 71 mm, 14 break-out openings for NYM cables, data cables and pipes Ø 20 mm, protection rating IP20.



# Standard device installation, Modul 45®, concealed

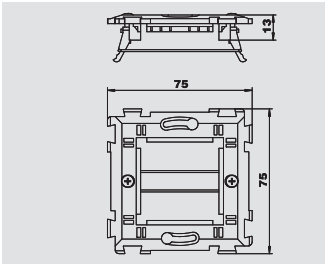


## Support plate, without fastening claw, single

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>TG-UP80M1</b>	Transparent	10	10	1.050	<b>6119 93 4</b>

/pc.

Support plate to accept Modul 45 devices of up to 1 module width = 45 mm, for mounting with device screws on a standard concealed/cavity wall accessory socket.

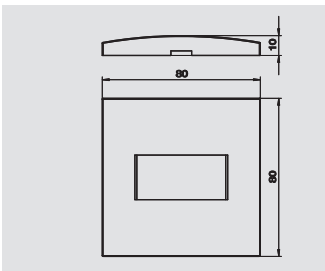


## Support plate, with fastening claw, single

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>TG-UP80M1S</b>	Transparent	10	10	1.850	<b>6119 93 6</b>

/pc.

Support plate with spreading claw to accept Modul 45 devices of up to 1 module width = 45 mm, for mounting on a standard concealed/cavity wall accessory socket.

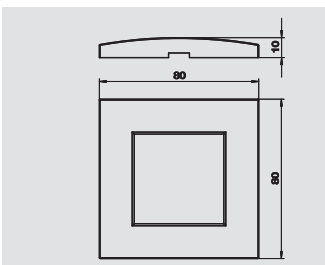


## Cover frame, single, for 1/2-module devices

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>ADR-UP80M0.5 RW</b>	Pure white	1	1	1.900	<b>6119 98 2</b>
<b>ADR-UP80M0.5SWGR</b>	Black-grey	1	1	1.900	<b>6119 98 3</b>
<b>ADR-UP80M0.5 AL</b>	Aluminium painted	1	1	1.900	<b>6119 98 4</b>

/pc.

Cover frame for Modul 45 accessories with 1/2 module width = 22.5 mm, for locking on a support plate TG-UP80M1.



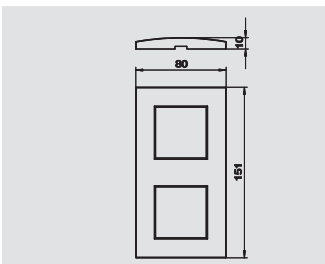
## Cover frame, single

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>ADR-UP80M1 RW</b>	Pure white	1	1	1.460	<b>6119 98 6</b>
<b>ADR-UP80M1 SWGR</b>	Black-grey	1	1	1.460	<b>6119 98 7</b>
<b>ADR-UP80M1 AL</b>	Aluminium painted	1	1	1.460	<b>6119 98 8</b>

PC Polycarbonate

/pc.

Cover frame for Modul 45 accessories with 1 module width = 45 mm, for locking on a support plate TG-UP80M1.

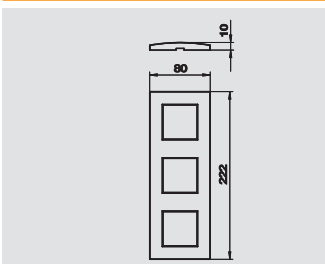


## Cover frame, 2x single

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>ADR-UP80M2 RW</b>	Pure white	1	1	2.540	<b>6119 99 0</b>
<b>ADR-UP80M2 SWGR</b>	Black-grey	1	1	2.540	<b>6119 99 2</b>
<b>ADR-UP80M2 AL</b>	Aluminium painted	1	1	2.540	<b>6119 99 1</b>

/pc.

Cover frame 2x single for Modul 45 accessories with 1 module width = 45 mm, for locking on a device combination with two support plates TG-UP80M1.



## Cover frame, 3x single

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
<b>ADR-UP80M3 RW</b>	Pure white	1	1	3.670	<b>6119 99 4</b>
<b>ADR-UP80M3 SWGR</b>	Black-grey	1	1	3.670	<b>6119 99 6</b>
<b>ADR-UP80M3 AL</b>	Aluminium painted	1	1	3.670	<b>6119 99 5</b>

/pc.

Cover frame 3x single for Modul 45 accessories with 1 module width = 45 mm, for locking on a device combination with three support plates TG-UP80M1.



# System device installation, Modul 45®, concealed



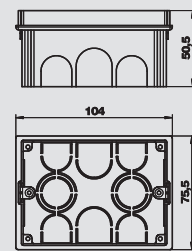
## Concealed accessory socket, 1.5x

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>UG-UPM1</b>	Natural	1	3.200	<b>6119 94 0</b>

/pc.

Concealed accessory socket, rectangular, to accept support plates, type TG-UPM1, for Modul 45 devices of up to 1.5x module width = 67.5 mm, with breakable openings for cables and pipes.

Note: Always plaster the concealed accessory socket together with the appropriate plaster cover.

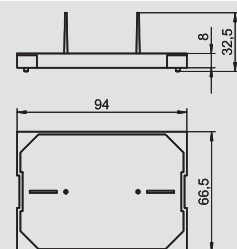


## Signal cover, 1.5x

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>PD-UPM1</b>	Red	1	0.550	<b>6119 94 5</b>

/pc.

The signal cover for the concealed accessory socket UG-UGM1 protects the interior, the bolt domes and bolt heads on plastering. The marking bristles allow simple location of the sockets after plastering. The signal covers can be used several times. After plastering, simply push the cover into the socket and remove the signal cover.

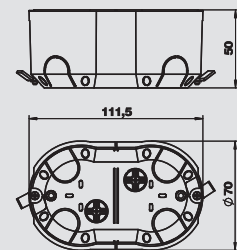


## Cavity wall accessory socket, 1.5x

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>HG-UPM1</b>	Blue	1	3.300	<b>6119 95 0</b>

/pc.

Cavity wall accessory socket, oval, to accept support plates, type TG-UPM1, for Modul 45 devices of up to 1.5x module width = 67.5 mm, drill hole diameter 68 mm, hole spacing 45 mm.

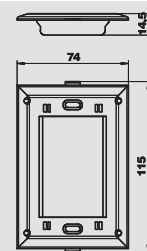


## Support plate, 1.5x

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>TG-UPM1</b>	Transparent	1	2.350	<b>6119 95 5</b>

/pc.

Support plate to accept Modul 45 devices of up to 1.5 module width = 67.5 mm, for mounting on the concealed accessory socket UG-UPM1 and cavity wall accessory socket HG-UPM1.

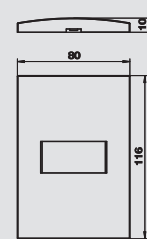


## Cover frame, 1.5x, for 1/2-module devices

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ADR-UPM0.5 RW</b>	Pure white	1	2.100	<b>6119 96 0</b>
<b>ADR-UPM0.5 SWGR</b>	Black-grey	1	2.100	<b>6119 96 1</b>
<b>ADR-UPM0.5 AL</b>	Aluminium painted	1	2.100	<b>6119 96 2</b>

/pc.

Cover frame for Modul 45 accessories with 1/2 module width = 22.5 mm, for locking on a support plate TG-UPM1.

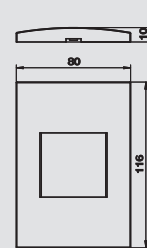


## Cover frame, 1.5x, for 1-module devices

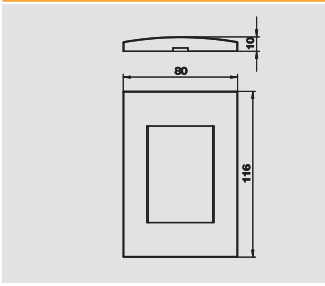
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ADR-UPM1 RW</b>	Pure white	1	1.900	<b>6119 96 4</b>
<b>ADR-UPM1 SWGR</b>	Black-grey	1	1.900	<b>6119 96 5</b>
<b>ADR-UPM1 AL</b>	Aluminium painted	1	1.900	<b>6119 96 6</b>

/pc.

Cover frame for Modul 45 accessories with 1 module width = 45 mm, for locking on a support plate TG-UPM1.



# System device installation, Modul 45®, concealed

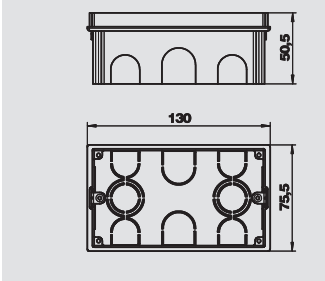


## Cover frame, 1.5x, for 1.5-module devices

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
ADR-UPM1.5 RW	Pure white	1	1	1.700	6119 96 8
ADR-UPM1.5 SWGR	Black-grey	1	1	1.700	6119 96 9
ADR-UPM1.5 AL	Aluminium painted	1	1	1.700	6119 97 0

/pc.

Cover frame for Modul 45 accessories with 1.5 module width = 67.5 mm, for locking on a support plate TG-UPM1.

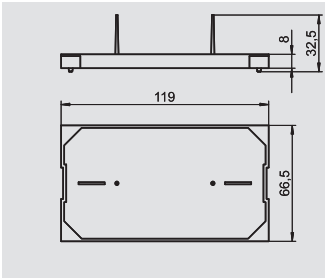


## Concealed accessory socket, double

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
UG-UPM2	Natural	1	1	4.550	6119 94 1

/pc.

Concealed accessory socket, rectangular, to accept support plates, type TG-UPM2, for Modul 45 devices of up to 2x module width = 90 mm, with breakable openings for cables and pipes. Note: Always plaster the concealed accessory socket together with the appropriate plaster cover.

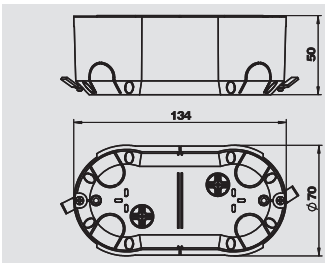


## Signal cover, double

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
PD-UPM2	Red	1	1	0.100	6119 94 6

/pc.

The signal cover for the concealed accessory socket UG-UGM2 protects the interior, the bolt domes and bolt heads on plastering. The marking bristles allow simple location of the sockets after plastering. The signal covers can be used several times. After plastering, simply push the cover into the socket and remove the signal cover.

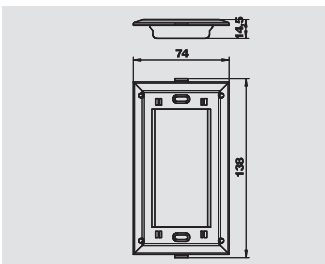


## Cavity wall accessory socket, double

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
HG-UPM2	Blue	1	1	4.600	6119 95 1

/pc.

Cavity wall accessory socket, oval, to accept support plates, type TG-UPM2, for Modul 45 devices of up to 2x module width = 90 mm, drill hole diameter 68 mm, hole spacing 68 mm.

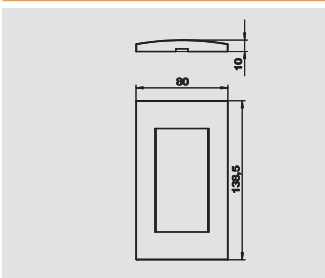


## Support plate, double

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
TG-UPM2	Transparent	1	1	2.550	6119 95 6

/pc.

Support plate to accept Modul 45 devices of up to 2x module width = 90 mm, for mounting on the concealed accessory socket UG-UPM2 and cavity wall accessory socket HG-UPM2.



## Cover frame, double

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
ADR-UPM2 RW	Pure white	1	1	1.880	6119 97 2
ADR-UPM2 SWGR	Black-grey	1	1	1.880	6119 97 3
ADR-UPM2 AL	Aluminium painted	1	1	1.880	6119 97 4

/pc.

Cover frame for Modul 45 accessories with 2x module width = 90 mm, for locking on a support plate TG-UPM2.



# System device installation, Modul 45®, concealed

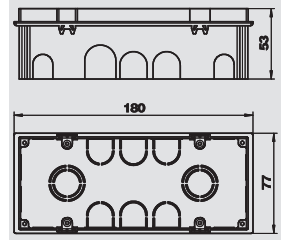


## Concealed accessory socket, triple

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>UG-UPM3</b>	Natural	1	6.220	<b>6119 94 3</b>

/pc.

Concealed accessory socket, rectangular, to accept support plates, type TG-UPM3, for Modul 45 devices of up to 3x module width = 135 mm, with breakable openings for cables and pipes.  
Note: Always plaster the concealed accessory socket together with the appropriate plaster cover.

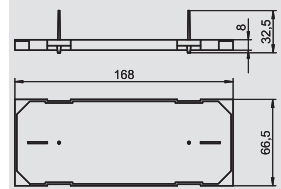


## Signal cover, triple

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>PD-UPM3</b>	Red	1	1.300	<b>6119 94 7</b>

/pc.

The signal cover for the concealed accessory socket UG-UGM3 protects the interior, the bolt domes and bolt heads on plastering. The marking bristles allow simple location of the sockets after plastering. The signal covers can be used several times. After plastering, simply push the cover into the socket and remove the signal cover.

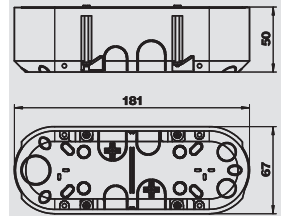


## Cavity wall accessory socket, triple

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>HG-UPM3</b>	Blue	1	6.300	<b>6119 95 2</b>

/pc.

Cavity wall accessory socket, oval, to accept support plates, type TG-UPM3, for Modul 45 devices of up to 3x module width = 135 mm, drill hole diameter 68 mm, hole spacing 112 mm.

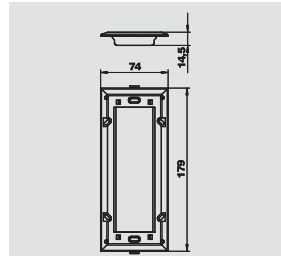


## Support plate, triple

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>TG-UPM3</b>	Transparent	1	3.650	<b>6119 95 7</b>

/pc.

Support plate to accept Modul 45 devices of up to 3x module width = 135 mm, for mounting on the concealed accessory socket UG-UPM3 and cavity wall accessory socket HG-UPM3.

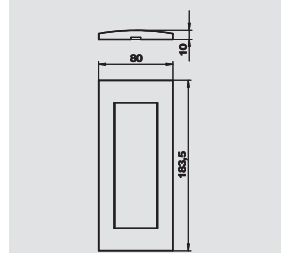


## Cover frame, triple

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ADR-UPM3 RW</b>	Pure white	1	3.000	<b>6119 97 6</b>
<b>ADR-UPM3 SWGR</b>	Black-grey	1	3.000	<b>6119 97 7</b>
<b>ADR-UPM3 AL</b>	Aluminium painted	1	3.000	<b>6119 97 8</b>

/pc.

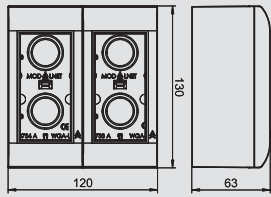
Cover frame for Modul 45 accessories with 3x module width = 135 mm, for locking on a support plate TG-UPM3.





# Modal net device installation, Modul 45®, surface-mounted and cavity wall

## Surface-mounted housing, basic configuration, 2x double

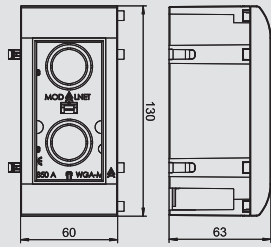


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-AK RW</b>	Pure white	1	35.000	<b>6109 90 0</b>

**PC** Polycarbonate /pc.  
Basic configuration consisting of two housing bases (right and left side) with two cover frames to accept of Modul 45 accessories of 2x module width = 90 mm.



## Surface-mounted housing, expansion module, double

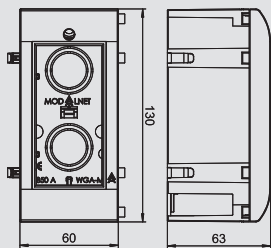


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-MK RW</b>	Pure white	1	17.500	<b>6109 90 5</b>

**PC** Polycarbonate /pc.  
Extension module consisting of housing base and cover frame to accept Modul 45 accessories of 2x module width = 90 mm.



## Surface-mounted housing, expansion module, double, with seat for one glow lamp element

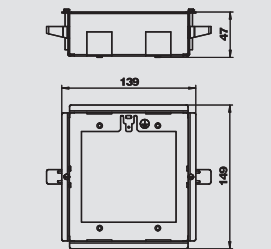


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-MKL RW</b>	Pure white	1	17.500	<b>6109 90 9</b>

**PC** Polycarbonate /pc.  
Extension module consisting of housing base and cover frame with control light to accept Modul 45 accessories of 2x module width = 90 mm.  
Note: The lighting element (type BE-GL B1OR) is not contained in the scope of delivery.



## Support for cavity wall installation 2x double

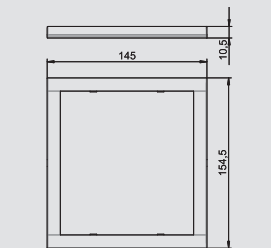


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>WG-UK2</b>	1	31.000	<b>6109 95 0</b>

**St** Steel **FS** Strip-galvanised /pc.  
Metal cavity wall support to accept the Modal net housing.



## Screen frame for cavity wall installation 2x double

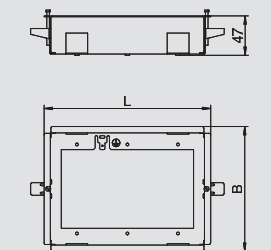


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-UBR2 RW</b>	Pure white	1	4.400	<b>6109 93 4</b>

**PC** Polycarbonate /pc.  
Screen frame for placing on the cavity wall support.



## Support for cavity wall installation 3x double

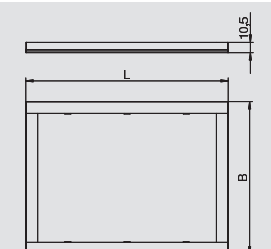


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>WG-UK3</b>	1	35.000	<b>6109 95 2</b>

**St** Steel **FS** Strip-galvanised /pc.  
Metal cavity wall support to accept the Modal net housing.



## Screen frame for cavity wall installation 3x double



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-UBR3 RW</b>	Pure white	1	4.500	<b>6109 93 6</b>

**PC** Polycarbonate /pc.  
Screen frame for placing on the cavity wall support.



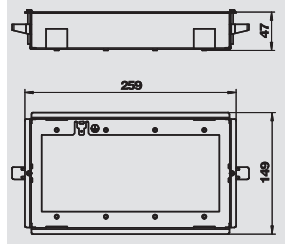
## Modal net device installation, Modul 45®, surface-mounted and cavity wall

### Support for cavity wall installation 4x double



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>WG-UK4</b>	1	39.000	<b>6109 95 4</b>

**St** Steel **FS** Strip-galvanised /pc.  
Metal cavity wall support to accept the Modal net housing.

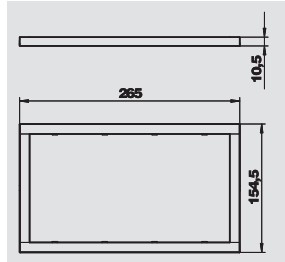


### Screen frame for cavity wall installation 4x double



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-UBR4 RW</b>	Pure white	1	4.600	<b>6109 93 8</b>

**PC** Polycarbonate /pc.  
Screen frame for placing on the cavity wall support.

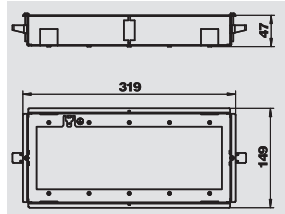


### Support for cavity wall installation 5x double



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>WG-UK5</b>	1	43.000	<b>6109 95 6</b>

**St** Steel **FS** Strip-galvanised /pc.  
Metal cavity wall support to accept the Modal net housing.

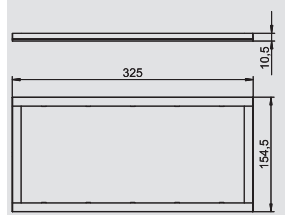


### Screen frame for cavity wall installation 5x double



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-UBR5 RW</b>	Pure white	1	4.700	<b>6109 94 0</b>

**PC** Polycarbonate /pc.  
Screen frame for placing on the cavity wall support.

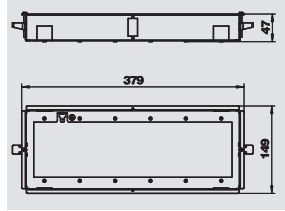


### Support for cavity wall installation 6x double



Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>WG-UK6</b>	1	47.000	<b>6109 95 8</b>

**St** Steel **FS** Strip-galvanised /pc.  
Metal cavity wall support to accept the Modal net housing.

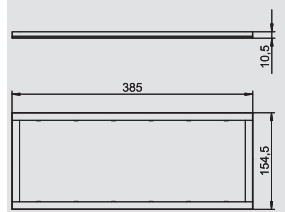


### Screen frame for cavity wall installation 6x double



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-UBR6 RW</b>	Pure white	1	4.800	<b>6109 94 2</b>

**PC** Polycarbonate /pc.  
Screen frame for placing on the cavity wall support.

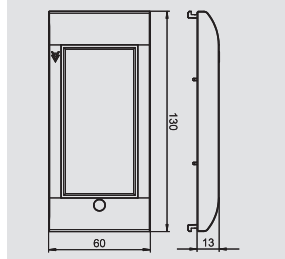


### Cover frame, double, with seat for one glow lamp element

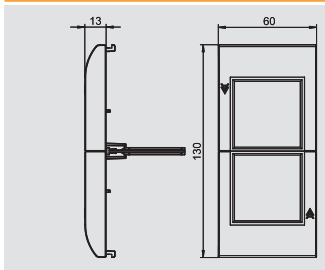


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-AF2L RW</b>	Pure white	6	2.620	<b>6109 92 4</b>

**PC** Polycarbonate /pc.  
Cover frame with control light to accept Modul 45 accessories of 2x module width = 90 mm.  
Note: The lighting element (type BE-GL/B1OR) is not contained in the scope of delivery.



# Modal net device installation, Modul 45®, surface-mounted and cavity wall

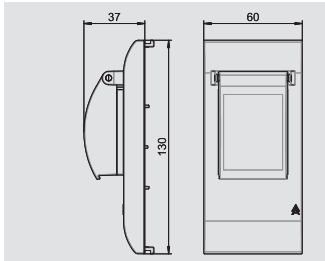


## Cover frame, 2x single, with separating retainer

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-AF11TW RW</b>	Pure white	1	3.370	<b>6109 92 7</b>

**PC** Polycarbonate /pc.

2x single cover frame with separating retainer to accept two Modul 45 accessories in 1 module width = 45 mm. Allows secure separation of various current types and circuits in one Modal net housing.

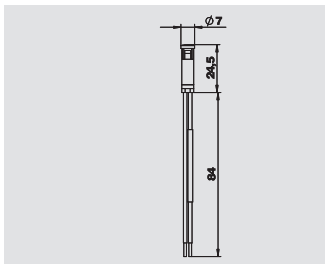


## Cover frame, double, for protective equipment installation

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WG-AF2TE RW</b>	Pure white	1	7.500	<b>6109 93 2</b>

**PC** Polycarbonate /pc.

Construction set, protection unit installation consisting of cover with mounting support and transparent cover hood. Allows the installation of protective equipment (two units) such as miniature circuit-breakers or FI protection switches in the Modal net housing.

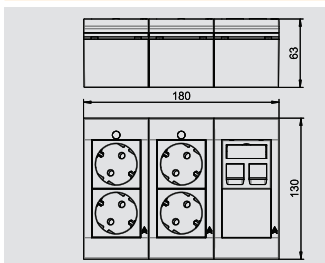


## Glow lamp element

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>BE-GL B1OR</b>	Orange	1	2.200	<b>6117 98 0</b>

/pc.

Glow lamp element 230 V~ with red-orange light colour.



## Complete unit, triple, 2x2 protective contact sockets with control light, 1x data technology support

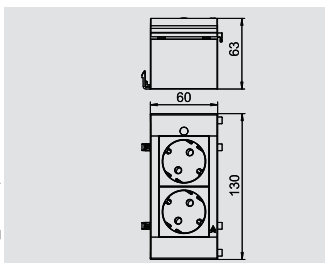
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WGA-K3WRD4 RW</b>	Pure white	1	40.900	<b>6109 91 6</b>

**PC** Polycarbonate /pc.

Preterminated connection unit, Modal net housing, triple, suitable for surface mounting or cavity wall installation.

Connection unit, equipped with:

- 1x double protective contact socket, 33° connection direction, colour: pure white, including glow lamp element as control light.
- 1x double protective contact socket, 33° connection direction, colour: red, including glow lamp element as control light.
- 1x data technology support, type DTG-2C, colour: pure white and 1x blanking cover, type ADP-B, colour: pure white.



## Complete unit, single, as expansion module, 2 protective contact sockets with control light

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WGM-K1W RW</b>	Pure white	1	16.400	<b>6109 91 9</b>
<b>WGM-K1R RW</b>	Pure white	1	16.400	<b>6109 92 0</b>

**PC** Polycarbonate /pc.

Preterminated connection unit, Modal net housing, single, as expansion module, suitable for surface mounting or cavity wall installation.

Type WGM-K1W..

Connection unit, equipped with 1x double protective contact socket, 33° connection direction, colour: pure white, including glow lamp element as control light.

Type WGM-K1R..

Connection unit, equipped with 1x double protective contact socket, 33° connection direction, colour: red, including glow lamp element as control light.





## Modal net device installation, Modul 45®, surface-mounted and cavity wall



### Complete unit, triple, 2x2 earthing pin sockets, 1x data technology support

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>WGA-K3F WRD2C</b>	Pure white	1	41.000	<b>6109 91 7</b>

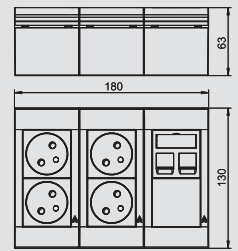
PC Polycarbonate

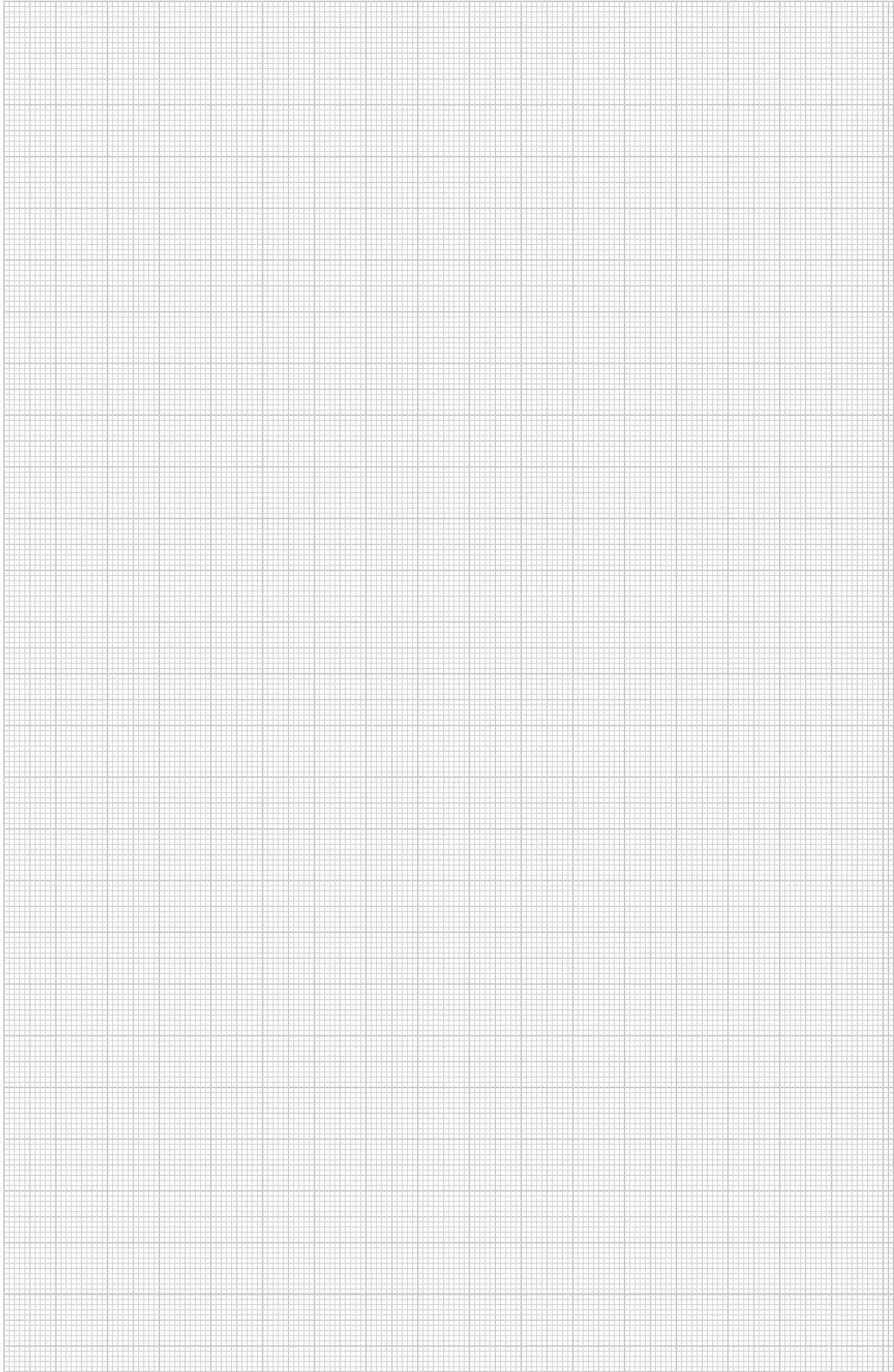
/pc.

Preterminated connection unit, Modal net housing, triple, suitable for surface mounting or cavity wall installation.

Connection unit, equipped with:








- 1x double earthing pin socket, 33° connection direction, colour: pure white.
- 1x double earthing pin socket, 33° connection direction, colour: red.
- 1x data technology support, type DTG-2C, colour: pure white and 1x blanking cover, type ADP-B, colour: pure white.







## Modul 45® systems, device installation solutions for Rapid 80 and ISS

	Device installation Modul 45®, single	Service unit Strain relief Cover frame	152
	Device installation Modul 45®, double	Service unit Strain relief Mounting support Cover frame	152
	Device installation Modul 45®, triple	Service unit Strain relief Mounting support Cover frame	153
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	Socket units, Modul 45®	1-way Double 3x	156
	Socket unit CEE	Single, 16 A Single, 32 A	157
	Installation unit	for 2 PU	157



# Device installation, Modul 45® in Rapid 80 and ISS

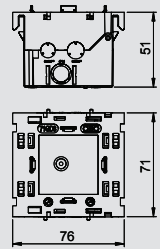


## Service unit, single, Modul 45®

Type	Designation	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
71GD8-2	—	1	5.900	6288 56 9

PA Polyamide

Front locking single service unit for Modul 45 system, with folding, and also removable, base for time-saving cable connection, with feed openings for cable diameters of up to 14 mm.

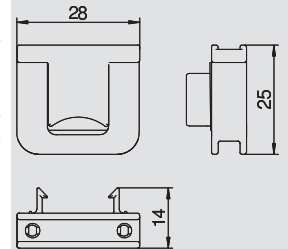


## Strain relief for service unit

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
7ZE	—	50	0.650	6288 79 0

PA Polyamide

Strain relief with locking clips, suitable for the accessory mounting boxes 7GD... and 71GD... . Cable clamping range to 14 mm.

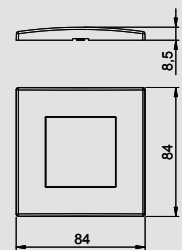


## Cover frame AR45, single

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
AR45-F1 RW	Pure white	1	1.600	6119 32 2
AR45-F1 SWGR	Black-grey	1	1.600	6119 32 4
AR45-F1 AL	Aluminium painted	1	1.600	6119 32 6

PC Polycarbonate

Front locking cover frame for Modul 45 devices, single, without labelling panel for horizontal and vertical device installation, for locking in service unit 71GD8-2.

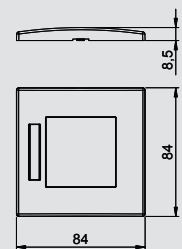


## Cover frame AR45, single, with labelling panel for horizontal device installation

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
AR45-BF1 RW	Pure white	1	1.500	6119 33 2
AR45-BF1 SWGR	Black-grey	1	1.500	6119 33 4
AR45-BF1 AL	Aluminium painted	1	1.500	6119 33 6

PC Polycarbonate

Front locking cover frame for Modul 45 devices, single, with labelling panel for horizontal device installation, for locking in service unit 71GD8-2.

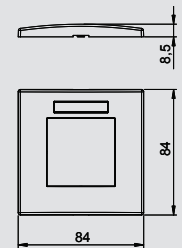


## Cover frame AR45, single, with labelling panel for vertical device installation

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
AR45-BSF1 RW	Pure white	1	1.500	6119 33 8
AR45-BSF1 SWGR	Black-grey	1	1.500	6119 33 9
AR45-BSF1 AL	Aluminium painted	1	1.500	6119 34 0

PC Polycarbonate

Front locking cover frame for Modul 45 devices, single, with labelling panel for vertical device installation, for locking in service unit 71GD8-2.

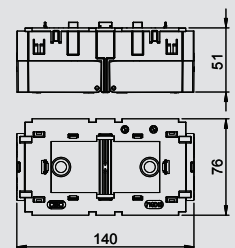


## Service unit, double, Modul 45®

Type	Designation	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
71GD13	—	1	5.000	6288 58 3

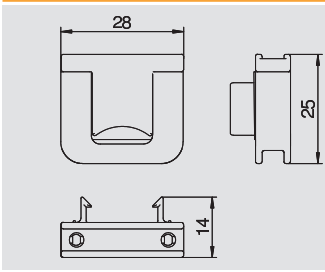
PA Polyamide

Front locking double service unit for Modul 45 system, with folding, and also removable, base for time-saving cable connection, with feed openings for cable diameters of up to 14 mm.





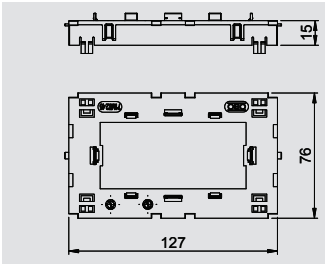
# Device installation, Modul 45® in Rapid 80 and ISS



## Strain relief for service unit

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>7ZE</b>	—	50	0.650	<b>6288 79 0</b>

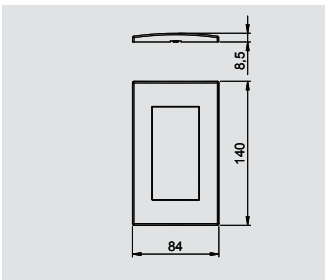
**PA** Polyamide /pc.  
Strain relief with locking clips, suitable for the accessory mounting boxes 7GD... and 71GD... .  
Cable clamping range to 14 mm.



## Mounting support, double, for Modul 45®

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>71MT2 45</b>	1	3.050	<b>6288 57 6</b>

**PA** Polyamide

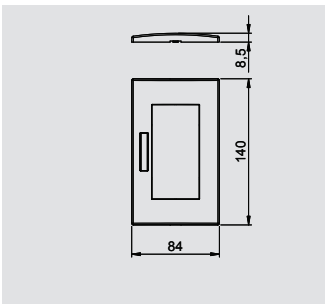


## Cover frame AR45, double

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>AR45-F2 RW</b>	Pure white	1	2.320	<b>6119 34 2</b>
<b>AR45-F2 SWGR</b>	Black-grey	1	2.320	<b>6119 34 4</b>
<b>AR45-F2 AL</b>	Aluminium painted	1	2.320	<b>6119 34 6</b>

**PC** Polycarbonate

Front locking cover frame for Modul 45 devices, single, without labelling panel for horizontal and vertical device installation, for locking in service unit 71GD13 or in mounting support 71MT2 45.

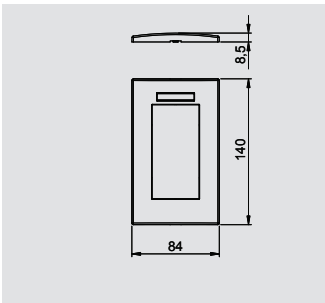


## Cover frame AR45, double, with labelling panel for horizontal device installation

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>AR45-BF2 RW</b>	Pure white	1	2.260	<b>6119 35 2</b>
<b>AR45-BF2 SWGR</b>	Black-grey	1	2.260	<b>6119 35 4</b>
<b>AR45-BF2 AL</b>	Aluminium painted	1	2.260	<b>6119 35 6</b>

**PC** Polycarbonate

Front locking cover frame for Modul 45 devices, double, with labelling panel for horizontal device installation, for locking in service unit 71GD13 or in mounting support 71MT2 45.

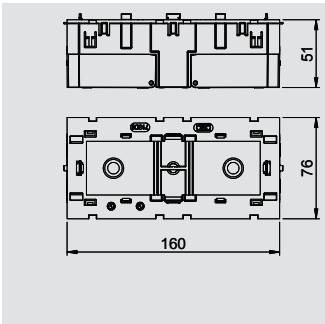


## Cover frame AR45, double, with labelling panel for vertical device installation

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>AR45-BSF2 RW</b>	Pure white	1	2.260	<b>6119 36 2</b>
<b>AR45-BSF2 SWGR</b>	Black-grey	1	2.260	<b>6119 36 4</b>
<b>AR45-BSF2 AL</b>	Aluminium painted	1	2.260	<b>6119 36 6</b>

**PC** Polycarbonate

Front locking cover frame for Modul 45 devices, double, with labelling panel for vertical device installation, for locking in service unit 71GD13 or in mounting support 71MT2 45.



## Service unit, triple, Modul 45®

Type	Designation	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>71GD9-2</b>	—	1	11.600	<b>6288 57 9</b>

**PA** Polyamide

Front locking triple service unit for Modul 45 system, with folding, and also removable, base for time-saving cable connection, with feed openings for cable diameters of up to 14 mm.



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Modul 45® systems, device installation solutions for Rapid 80 and ISS

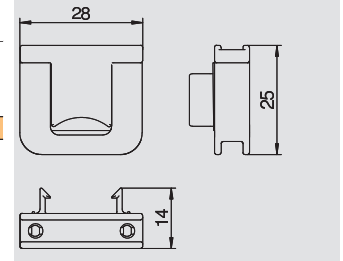
# Device installation, Modul 45® in Rapid 80 and ISS



## Strain relief for service unit

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>7ZE</b>	—	50	0.650	<b>6288 79 0</b>

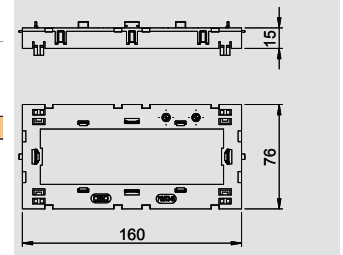
**PA** Polyamide /pc.  
 Strain relief with locking clips, suitable for the accessory mounting boxes 7GD... and 71GD...  
 Cable clamping range to 14 mm.



## Mounting support, triple, for Modul 45®

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>71MT3 45-2</b>	1	3.200	<b>6288 57 4</b>

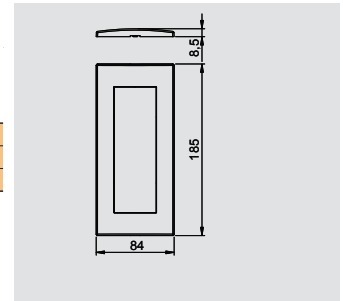
**PA** Polyamide  
 Front-locking mounting support for Modul 45 data technology systems and Modul 45 connect protective contact sockets with Wieland connection.



## Cover frame AR45, triple

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>AR45-F3 RW</b>	Pure white	1	2.800	<b>6119 37 2</b>
<b>AR45-F3 SWGR</b>	Black-grey	1	2.800	<b>6119 37 4</b>
<b>AR45-F3 AL</b>	Aluminium painted	1	2.800	<b>6119 37 6</b>

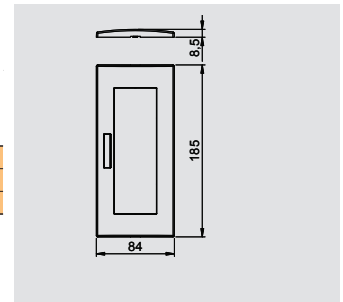
**PC** Polycarbonate  
 Front locking cover frame for Modul 45 devices, triple, without labelling panel for horizontal and vertical device installation, for locking in service unit 71GD9-2 or in mounting support 71MT3 45-2.



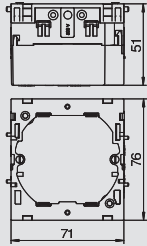
## Cover frame AR45, triple, with labelling panel for horizontal device installation

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>AR45-BF3 RW</b>	Pure white	1	2.800	<b>6119 38 2</b>
<b>AR45-BF3 SWGR</b>	Black-grey	1	2.800	<b>6119 38 4</b>
<b>AR45-BF3 AL</b>	Aluminium painted	1	2.800	<b>6119 38 6</b>

**PC** Polycarbonate  
 Front locking cover frame for Modul 45 devices, triple, with labelling panel for horizontal device installation, for locking in service unit 71GD9-2 or in mounting support 71MT3 45-2.



# Device installation, devices with 50 mm central plate in Rapid 80 and ISS

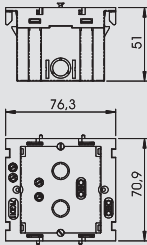


## Service unit, single



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>71GD6</b>	Iron grey	5	5.600	<b>6288 61 0</b>

**PA** Polyamide /pc.  
 Front-locking accessory mounting box for switch systems, with folding, and also removable, base for time-saving cable connection, with feed openings for cable diameters of up to 14 mm.

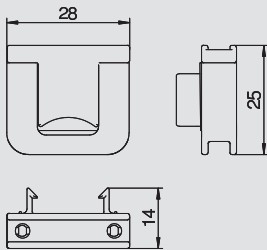


## Service unit, single, with large installation opening



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>71GD11</b>	—	1	4.600	<b>6288 53 2</b>

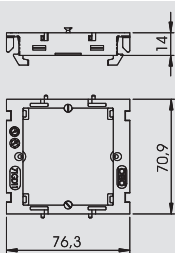
**PA** Polyamide /pc.  
 Service unit to accept standard switching and connection devices in support ring and support clamp versions of all manufacturers. An extra-large installation opening means that the socket is also suitable for the acceptance of ELKO devices as well as larger versions of data technology connection sockets. With the data technology application, it is possible to do without the protective housing if necessary.



## Strain relief for service unit

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>7ZE</b>	—	50	0.650	<b>6288 79 0</b>

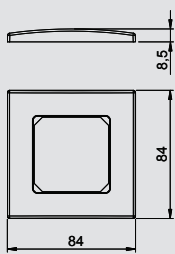
**PA** Polyamide /pc.  
 Strain relief with locking clips, suitable for the accessory mounting boxes 7GD... and 71GD... . Cable clamping range to 14 mm.



## Mounting support, single, for data technology and ELKO devices

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>71MTD</b>	10	1.640	<b>6288 57 7</b>

**PA** Polyamide /pc.  
 Mounting support for the installation of data technology devices in device installation ducts of the Rapid 80 series and ISS service poles with 76.5 mm system opening.



## Cover frame AR50, single

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>AR50-F1 RW</b>	Pure white	1	1.620	<b>6119 39 2</b>
<b>AR50-F1 SWGR</b>	Black-grey	1	1.620	<b>6119 39 4</b>
<b>AR50-F1 AL</b>	Aluminium painted	1	1.620	<b>6119 39 6</b>

**PC** Polycarbonate  
 Front locking cover frame for devices with 50 mm central plate, single, without labelling panel for horizontal and vertical device installation, for mounting on service unit 71GD6, 71GD11 or in mounting support 71MTD.



# Complete units, for Rapid 80 and ISS

## Socket unit AR45, single

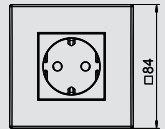
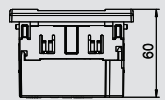


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SDE-RW D0RW1	Pure white	4	10.700		6119 40 1
SDE-RW D0GN1	Mint green	4	10.700		6119 40 2
SDE-RW D0RT1	Signal red	4	10.700		6119 40 3

Preterminated socket unit without labelling panel, suitable for installation in Rapid 80 device installation duct systems.

Socket unit, consisting of:

- Service unit, single, type 71GD8-2.
- Protective contact socket, single, 0° connection direction, colour: see table.
- Cover frame AR45, single, without labelling panel, colour: pure white



## Socket unit AR45, single, with labelling panel for horizontal device installation

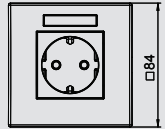
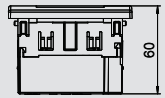


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SDE-RW D0RW1B	Pure white	4	10.700		6119 42 1
SDE-RW D0GN1B	Mint green	4	10.700		6119 42 2
SDE-RW D0RT1B	Signal red	4	10.700		6119 42 3

Preterminated socket unit with labelling panel, suitable for installation in Rapid 80 device installation duct systems.

Socket unit, consisting of:

- Service unit, single, type 71GD8-2
- Protective contact socket, single, 0° connection direction, colour: see table
- Cover frame AR45, single, with labelling panel, type AR45-BF., colour: pure white



## Socket unit AR45, double

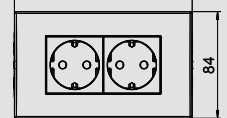
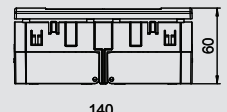


Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SDE-RW D0RW2	Pure white	2	19.000		6119 40 7
SDE-RW D0GN2	Mint green	2	19.000		6119 40 8
SDE-RW D0RT2	Signal red	1	19.000		6119 40 9

Preterminated socket unit without labelling panel, suitable for installation in Rapid 80 device installation duct systems.

Socket unit, consisting of:

- Service unit, double, type 71GD13
- Protective contact socket, double, 0° connection direction, colour: see table
- Cover frame AR45, double, without labelling panel, type AR45-BF., colour: pure white



## Socket unit AR45, double, with labelling panel for horizontal device installation

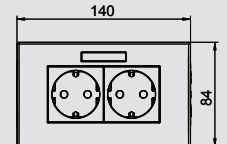
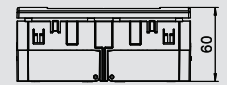


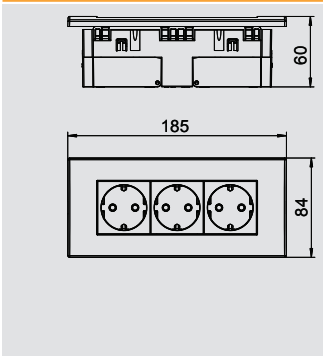
Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SDE-RW D0RW2B	Pure white	2	19.000		6119 42 7
SDE-RW D0GN2B	Mint green	2	19.000		6119 42 8
SDE-RW D0RT2B	Signal red	2	19.000		6119 42 9

Preterminated socket unit with labelling panel, suitable for installation in Rapid 80 device installation duct systems.

Socket unit, consisting of:

- Service unit, double, type 71GD13
- Protective contact socket, double, 0° connection direction, colour: see table
- Cover frame AR45, double, with labelling panel, type AR45-BF., colour: pure white





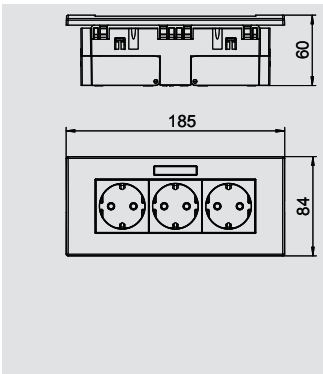
## Socket unit AR45, triple

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SDE-RW D0RW3	Pure white	2	23.300		6119 41 4
SDE-RW D0GN3	Mint green	2	23.300		6119 41 5
SDE-RW D0RT3	Signal red	2	23.300		6119 41 3

Preterminated socket unit without labelling panel, suitable for installation in Rapid 80 device installation duct systems.

Socket unit, consisting of:

- Service unit, triple, type 71GD9-2
- Protective contact socket, triple, 0° connection direction, colour: see table
- Cover frame AR45, triple, without labelling panel, type AR45-BF..., colour: pure white



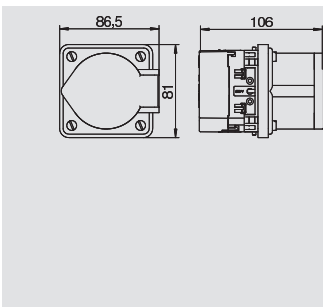
## Socket unit AR45, triple, with labelling panel for horizontal device installation

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
SDE-RW D0RW3B	Pure white	2	23.300		6119 43 3
SDE-RW D0GN3B	Mint green	2	23.300		6119 43 4
SDE-RW D0RT3B	Signal red	2	23.300		6119 43 5

Preterminated socket unit with labelling panel, suitable for installation in Rapid 80 device installation duct systems.

Socket unit, consisting of:

- Service unit, triple, type 71GD9-2
- Protective contact socket, triple, 0° connection direction, colour: see table
- Cover frame AR45, triple, with labelling panel, type AR45-BF..., colour: pure white



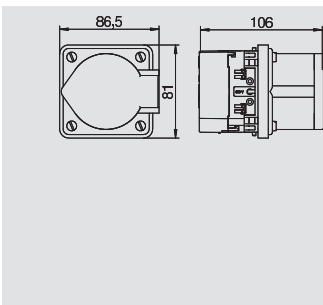
## Socket unit CEE, single, 16 A

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
CEE16E2	Iron grey	1	34.110		6288 61 2

PA Polyamide

/pc.

Accessory mounting box, complete, for the installation of a CEE connection device in device installation trunking with 80 mm cover, consisting of:  
front-locking device installation trunking  
CEE connection unit and mounting material  
CEE socket, 16 A.



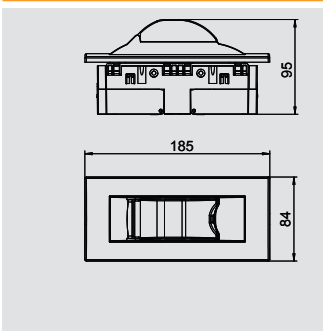
## Socket unit CEE, single, 32 A

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
CEE32E2	Iron grey	1	37.000		6288 61 4

PA Polyamide

/pc.

Accessory mounting box, complete, for the installation of a CEE connection device in device installation trunking with 80 mm cover, consisting of:  
front-locking device installation trunking  
CEE connection unit and mounting material  
CEE socket, 32 A.



## Installation unit AR45, for 2 PU

Type	Colour	Pack.	Weight		Item No.
			pcs	kg/100 pcs.	
IKR-6 RW	Pure white	1	19.000		6119 31 9

Installation unit to accept protection devices such as miniature circuit-breakers or FI protection switches up to max. 2 PU, suitable for installation in Rapid 80 device installation duct systems and ISS service poles.









Installation unit, consisting of:

- Service unit, triple, type 71GD9-2
- Cover, incl. PVC support clamp for 2 PU, colour: see table
- Cover frame AR45, triple, without labelling panel, colour: pure white





## Workplace systems, Deskboxes and Flexkanal

	DB - ready-for-connection Deskbox	3 sockets 3 sockets, 2x RJ45 Cat. 6 2+2 sockets, 2x RJ45 Cat. 6 1+4 sockets, switched 1+4 sockets, switched, 2x RJ45 Cat. 6 3 sockets, VGA, mini jack, USB, 2x RJ45 Cat. 6 Fastening accessories	160
	Device installation solutions for customer-specific Deskbox DB	Selection of country-specific sockets Selection of protective elements Selection of data technology connections Selection of multimedia connections Selection switching devices and accessories	165
	DBV - ready-for-connection Deskbox, lowerable	2 sockets 3 sockets 2 sockets, 2x RJ45 Cat. 6 3 sockets, 2x RJ45 Cat. 6 2 sockets, VGA, mini jack, 2x RJ45 Cat. 6 Circular band saw	170
	Device installation solutions for customer-specific Deskbox DBV	Selection of country-specific sockets Selection of protective elements Selection of data technology connections Selection of multimedia connections Selection switching devices and accessories	173
	DBK - ready-for-connection Deskbox, foldable	3 sockets 4 sockets 2 sockets, 2x RJ45 Cat. 6 3 sockets, 2x RJ45 Cat. 6 3 sockets, VGA, mini jack, 2x RJ45 Cat. 6	178
	Device installation solutions for customer-specific Deskbox DBK	Selection of country-specific sockets Selection of protective elements Selection of data technology connections Selection of multimedia connections Selection switching devices and accessories	173
	Flexkanal and accessories	Flexkanal Flexkanal fastening Floor rail T-branch	186
	Fastening bracket for Flexkanal	In GES service units In GESRM2 service units	187



# DB - ready-for-connection Deskbox

## Deskbox DB, free erection, 3 sockets



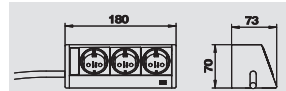
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-5A3 D3S</b>	Housing, silver anodised	1	66.000	<b>6116 93 0</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet on the left housing cover, freely erectable using non-slip support points.

Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.



## Deskbox DB, with fastening clamp, 3 sockets



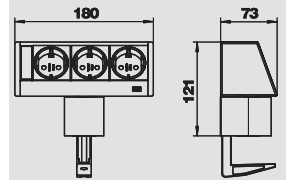
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-1B3 D3S</b>	Housing, silver anodised	1	102.000	<b>6116 93 6</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile with a fastening clamp for tabletop thicknesses of 8 to 40 mm.

Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.



## Deskbox DB, without fastening material, 3 sockets



Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-0B3 D3S</b>	Housing, silver anodised	1	66.000	<b>6116 93 9</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.



## Deskbox DB, free erection, 3 sockets, 2x RJ45 Cat. 6



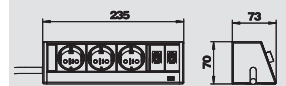
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-5A3 D3S2K</b>	Housing, silver anodised	1	86.000	<b>6116 93 3</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet on the left and right housing cover, freely erectable using non-slip support points.

Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7, cable exit on the left housing cover.  
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded, cable exit on the right housing cover.



## Deskbox DB, with fastening clamp, 3 switched sockets, 2x RJ45 Cat. 6



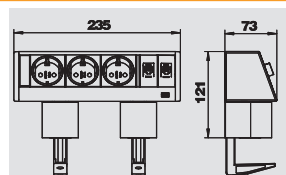
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-1B3 D3S2K</b>	Housing, silver anodised	1	122.000	<b>6116 94 2</b>

**Al** Aluminium **EL** Anodised /pc.

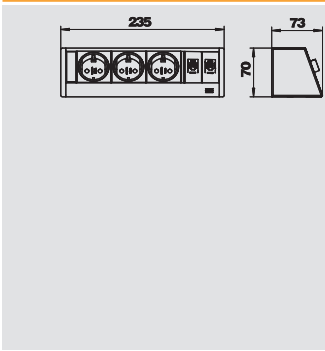
Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.  
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.







## Deskbox DB, without fastening material, 3 sockets, 2x RJ45 Cat. 6

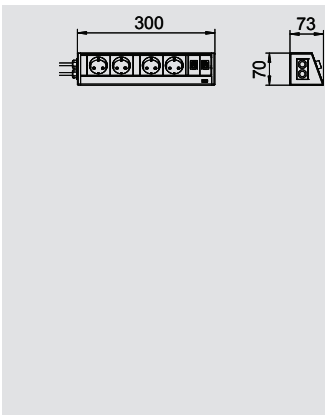
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-0B3 D3S2K</b>	Housing, silver anodised	1	85.700	<b>6116 94 5</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.



## Deskbox DB, free erection, 2+2 sockets, 2x RJ45 Cat. 6

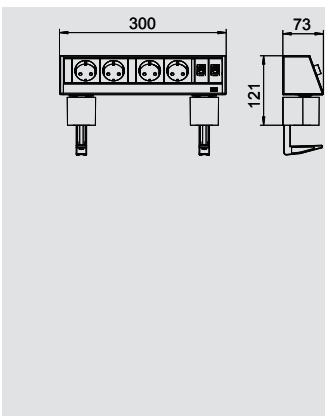
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-0A3 D22SR2K</b>	Housing, silver anodised	1	100.000	<b>6116 91 8</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet on the left and right housing cover, freely erectable using non-slip support points.

Equipment:

- Two black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7, cable exit on the left housing cover.
- Two red protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7, cable exit on the left housing cover.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded, cable exit on the right housing cover.



## Deskbox DB, with fastening clamp, 2+2 switched sockets, 2x RJ45 Cat. 6

Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-1B3 D22SR2K</b>	Housing, silver anodised	1	100.000	<b>6116 92 6</b>

**Al** Aluminium **EL** Anodised /pc.

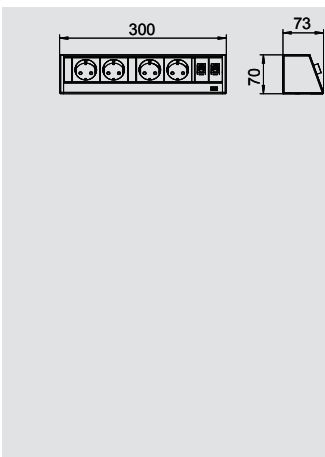
Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:

- Two black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Equipment:

- Two red protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.



## Deskbox DB, without fastening material, 2+2 sockets, 2x RJ45 Cat. 6

Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-0B3 D22SR2K</b>	Housing, silver anodised	1	100.000	<b>6116 92 2</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:

- Two black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Equipment:

- Two red protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.



# DB - ready-for-connection Deskbox

## Deskbox DB, with fastening clamp, 1+4 switched sockets



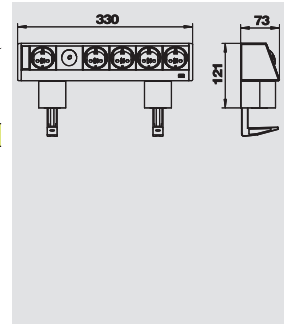
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-1B3 D1.4S</b>	Housing, silver anodised	1	157.000	<b>6116 94 8</b>

Al Aluminium EL Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:

- Five black protective contact sockets in 0° connection direction, of which 1 socket is for continuous current and four sockets can be switched using a one-way switch (lit in blue), incl. 3.0 m power cable with angular connector CEE 7/7.



## Deskbox DB, without fastening material, 1+4 switched sockets



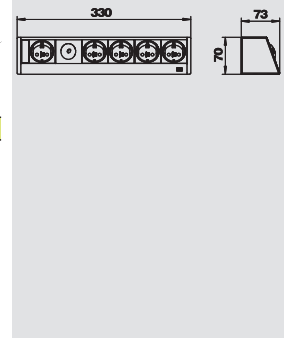
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-0B3 D1.4S</b>	Housing, silver anodised	1	120.000	<b>6116 95 1</b>

Al Aluminium EL Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:

- Five black protective contact sockets in 0° connection direction, of which 1 socket is for continuous current and four sockets can be switched using a one-way switch (lit in blue), incl. 3.0 m power cable with angular connector CEE 7/7.



## Deskbox DB, with fastening clamp, 1+4 switched sockets, 2x RJ45 Cat. 6



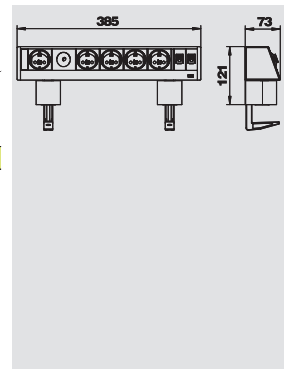
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-1B3 D1.4S2K</b>	Housing, silver anodised	1	177.000	<b>6116 95 4</b>

Al Aluminium EL Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:

- Five black protective contact sockets in 0° connection direction, of which 1 socket is for continuous current and four sockets can be switched using a one-way switch (lit in blue), incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.



## Deskbox DB, without fastening material, 1+4 switched sockets, 2x RJ45 Cat. 6



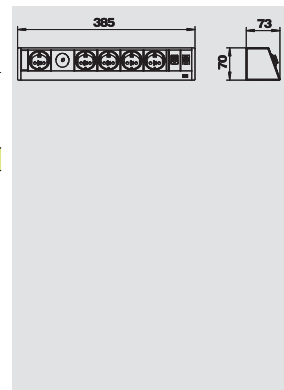
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-0B3 D1.4S2K</b>	Housing, silver anodised	1	140.000	<b>6116 95 7</b>

Al Aluminium EL Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

Equipment:

- Five black protective contact sockets in 0° connection direction, of which 1 socket is for continuous current and four sockets can be switched using a one-way switch (lit in blue), incl. 3.0 m power cable with angular connector CEE 7/7.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.



## Deskbox DB, with fastening clamp, 3 switched sockets, VGA, mini jack, USB, 2x RJ45 Cat. 6



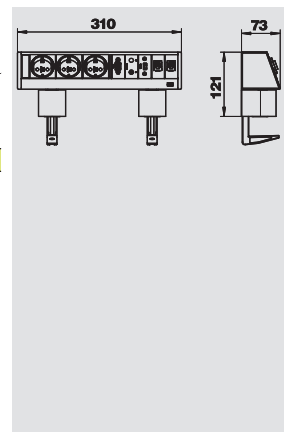
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-M1B3 D3S2K</b>	Housing, silver anodised	1	186.000	<b>6116 96 0</b>

Al Aluminium EL Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile with two fastening clamps for tabletop thicknesses of 8 to 40 mm.

Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3.5 mm, incl. 3.0 m connection cable with connector.
- One USB 2.0, type A socket, incl. 3.0 m connection cable with type A connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.



# DB - ready-for-connection Deskbox



## Deskbox DB, without fastening material, 3 sockets, VGA, mini jack, USB, 2x RJ45 Cat. 6

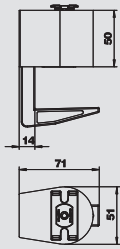
Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DB-M0B3 D3S2K</b>	Housing, silver anodised	1	150.000	<b>6116 96 3</b>

**Al** Aluminium **EL** Anodised /pc.

Deskbox with connection cable, cable outlet at the bottom of the profile, without fastening material, combinable with the fastening solutions listed in the accessories.

### Equipment:

- Three black protection contact sockets in 0° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3.5 mm, incl. 3.0 m connection cable with connector.
- One USB 2.0, type A socket, incl. 3.0 m connection cable with type A connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.



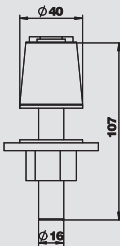
## Fastening clamp for Deskbox DB

Type	Colour	Version	Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>DBZ-BZ40</b>	Black	Clamping range 8 to 40 mm	1	18.000	<b>6116 97 6</b>
<b>DBZ-BZ75</b>	Black	Clamping range 40 to 75 mm	1	20.000	<b>6116 97 9</b>

/pc.

Fastening clamp for mounting a Deskbox Type DB... on the tabletop.

Note: For housing widths of 200 mm or more, two fastening clamps are required to mount a Deskbox.



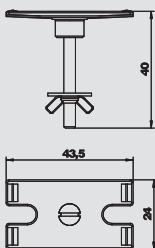
## Stainless steel fastening stand for Deskbox DB

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>DBZ-BFE</b>	1	34.000	<b>6116 98 2</b>

/pc.

Stainless steel fastening stand for fixed mounting of a Deskbox type DB... on a tabletop. It is mounted using a drill hole (Ø16 mm) in the tabletop.

Note: Can be used in tabletops of up to 50 mm thickness.



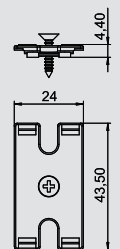
## Fastening set for table mounting, for Deskbox DB

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>DBZ-BST</b>	1	2.300	<b>6116 98 5</b>

/pc.

Fastening set for fixed mounting of Deskbox type DB... on the tabletop. It is mounted using a drill hole (Ø10 mm) in the tabletop.

Note: The included fastening screws (M4 x 40 mm) can be used for tabletops of up to a maximum thickness of 32 mm.

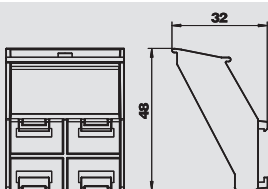


## Fastening set for under-table mounting, for Deskbox DB

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>DBZ-BSUT</b>	1	100.000	<b>6116 98 6</b>

/pc.

Fastening set for fixed mounting of Deskbox type DB... under the tabletop. It is mounted on the tabletop using two wood screws.



## Flexkanal holder for Deskbox DB

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DBZ-FLKB</b>	Black	1	1.100	<b>6116 99 1</b>

/pc.

Flexkanal holder for Deskbox, type DB..., for secure connection of a Flexkanal to the Deskbox.

Note: Can only be used for mounting on the tabletop using fastening clamps.



## DB - device installation solutions for customer-specific Deskbox



### Individual configuration of Deskbox DB

A ready-for-connection Deskbox is equipped and delivered according to your specifications. The installation solutions for individual equipment shown in the following section are available.

DB - device installation solutions for customer-specific Deskbox

- Selection of country-specific sockets
- Selection of protection elements
- Selection of data technology connections
- Selection of multimedia connections
- Selection switching devices and accessories

You can find detailed instructions and a configuration aid in the planning section.



# DB - device installation solutions for customer-specific Deskbox

## Selection of country-specific sockets



Socket 0°, protective contact

Type	Colour	Version	Dimension
			mm
EBG-D0 SW	Black	Single, 0°	50 x 50
EBG-D0 RO	Red	Single, 0°	50 x 50



Socket 60°, protective contact

Type	Colour	Version	Dimension
			mm
EBG-D6 SW	Black	Single, 60°	50 x 50
EBG-D6 RO	Red	Single, 60°	50 x 50



Socket 0°, with earthing pin

Type	Colour	Version	Dimension
			mm
EBG-F0 SW	Black	Single, 0°	50 x 50
EBG-F0 RO	Red	Single, 0°	50 x 50



Socket 60°, with earthing pin

Type	Colour	Version	Dimension
			mm
EBG-F6 SW	Black	Single, 60°	50 x 50
EBG-F6 RO	Red	Single, 60°	50 x 50



Socket 0°, Switzerland, 10 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH0 10SW	Black	Single, 0°	10	50 x 50
EBG-CH0 10RO	Red	Single, 0°	10	50 x 50



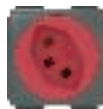
Socket 0°, Switzerland, 16 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH0 16SW	Black	Single, 0°	16	50 x 50
EBG-CH0 16RO	Red	Single, 0°	16	50 x 50



Socket 60°, Switzerland, 10 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH6 10SW	Black	Single, 60°	10	50 x 50
EBG-CH6 10RO	Red	Single, 60°	10	50 x 50



Socket 60°, Switzerland, 16 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH6 16SW	Black	Single, 60°	16	50 x 50
EBG-CH6 16RO	Red	Single, 60°	16	50 x 50



Socket 0°, Denmark

Type	Colour	Version	Dimension
			mm
EBG-DK0 SW	Black	Single, 0°	50 x 50



Socket 0°, Denmark, IT-encoded

Type	Colour	Version	Dimension
			mm
EBG-DKE0 SW	Black	Single, 0°	50 x 50
EBG-DKE0 RO	Red	Single, 0°	50 x 50



Socket 30°, British Standard

Type	Colour	Version	Dimension
			mm
EBG-BS3 SW	Black	Single, 30°	60 x 50
EBG-BS3 RO	Red	Single, 30°	60 x 50



Socket 30°, British Standard, with 3.15 A fuse

Type	Colour	Version	Fuse	Dimension
			A	mm
EBG-BSS3 3.15SW	Black	Single, 30°	3.15	60 x 50
EBG-BSS3 3.15RO	Red	Single, 30°	3.15	60 x 50



Socket 30°, British Standard, with 5 A fuse

Type	Colour	Version	Fuse	Dimension
			A	mm
EBG-BSS3 5SW	Black	Single, 30°	5	60 x 50
EBG-BSS3 5RO	Red	Single, 30°	5	60 x 50



Socket 0°, Italy

Type	Colour	Version	Dimension
			mm
EBG-IT0 SW	Black	Single, 0°	50 x 50

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Workplace systems, Deskboxes and Flexkanal



# DB - device installation solutions for customer-specific Deskbox

## Selection of country-specific sockets



Socket 0°, Australia

Type	Colour	Version	Dimension
			mm
<b>EBG-AU0 SW</b>	Black	Single, 0°	50 x 50
<b>EBG-AU0 RO</b>	Red	Single, 0°	50 x 50



Socket 60°, Australia

Type	Colour	Version	Dimension
			mm
<b>EBG-AU6 SW</b>	Black	Single, 60°	50 x 50
<b>EBG-AU6 RO</b>	Red	Single, 60°	50 x 50



Socket 0°, China

Type	Colour	Version	Dimension
			mm
<b>EBG-CN0 SW</b>	Black	Single, 0°	50 x 50
<b>EBG-CN0 RO</b>	Red	Single, 0°	50 x 50



Socket 60°, China

Type	Colour	Version	Dimension
			mm
<b>EBG-CN6 SW</b>	Black	Single, 60°	50 x 50
<b>EBG-CN6 RO</b>	Red	Single, 60°	50 x 50



Socket 0°, USA

Type	Colour	Version	Dimension
			mm
<b>EBG-US0 SW</b>	Black	Single, 0°	50 x 50
<b>EBG-US0 RO</b>	Red	Single, 0°	50 x 50



Socket 60°, USA

Type	Colour	Version	Dimension
			mm
<b>EBG-US6 SW</b>	Black	Single, 60°	50 x 50
<b>EBG-US6 RO</b>	Red	Single, 60°	50 x 50



Socket 0°, multi-standard

Type	Colour	Version	Dimension
			mm
<b>EBG-MS0 SW</b>	Black	Single, 0°	50 x 50



Socket 0°, India, 2/3-pin

Type	Colour	Version	Dimension
			mm
<b>EBG-INE0 SW</b>	Black	Single, 0°	50 x 50



Socket 0°, India

Type	Colour	Version	Number of poles	Dimension
				mm
<b>EBG-IN0 SW</b>	Black	Single, 0°	3	50 x 50



Plug connector GST18

Type	Colour	Version	Dimension
			mm
<b>EBG-GST18 SW</b>	Black	Socket section, GST18	25 x 50



USB charger, USB Type A, double

Type	Colour	Version	Connection system	Dimension
				mm
<b>EBG-2USB-C SW</b>	Black	Double	USB Type A	75 x 50

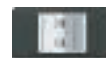
## Selection of protective elements

Residual current circuit-breaker



Type	Colour	Version	Nominal current	Dimension
			A	mm
<b>EBG-FIS25</b>	Black	Sensitivity 30 mA	25	100 x 50

Circuit-breaker



Type	Colour	Nominal current	Dimension
		A	mm
<b>EBG-LSS10</b>	Black	10	100 x 50
<b>EBG-LSS13</b>	Black	13	100 x 50
<b>EBG-LSS16</b>	Black	16	100 x 50



# DB - device installation solutions for customer-specific Deskbox

## Selection of protective elements



Overload switch for socket, USA

Type	Colour	Version	Nominal current A	Nominal voltage V	Dimension mm
<b>EBG-ÜLS US0</b>	Black	1-pin	15	125	25 x 50



Overload switch for socket, Australia

Type	Colour	Version	Nominal current A	Nominal voltage V	Dimension mm
<b>EBG-ÜLS AU0</b>	Black	1-pin	10	125	25 x 50

## Selection of data technology connections



RJ45 data technology connection, R&M

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-RM C5G ST3</b>	Black	Cat. 5e, shielded	3	RJ45	25 x 50
<b>EBG-RM C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	25 x 50
<b>EBG-RM C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	25 x 50
<b>EBG-RM C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	25 x 50



RJ45 data technology connection, Nexans

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-N C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-N C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



2x data technology connection RJ45, Nexans

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N2 C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-N2 C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-N2 C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



GG45 data technology connection, Nexans

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N C7 ST3</b>	Black	Cat. 7, shielded	3	GG45	50 x 50
<b>EBG-N C7A ST3</b>	Black	Cat. 7A, shielded	3	GG45	50 x 50



2x data technology connection GG45, Nexans

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N2 C7 ST3</b>	Black	Cat. 7, shielded	3	GG45	50 x 50
<b>EBG-N2 C7A ST3</b>	Black	Cat. 7A, shielded	3	GG45	50 x 50



RJ45 data technology connection, 1:1 coupling

Type	Colour	Version	Dimension mm
<b>EBG-K C6G</b>	Black	Cat. 6, shielded, RJ45 to RJ45	25 x 50



Telephone connection RJ11

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-RJ11 ST3</b>	Black	RJ11 socket with RJ45 connector	3	25 x 50

## Selection of multimedia connections



VGA connection

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VGA ST3</b>	Black	With VGA connector	3	25 x 50
<b>EBG-VGA 5BNC3</b>	Black	5 x BNC connectors	3	25 x 50
<b>EBG-VGA LA</b>	Black	With soldered connection	—	25 x 50



DVI-A connection

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-DVI-A ST3</b>	Black	With DVI connector	3	25 x 50
<b>EBG-DVI-A LA</b>	Black	With soldered connection	—	25 x 50



# DB - device installation solutions for customer-specific Deskbox

## Selection of multimedia connections



DVI-D connection

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-DVI-D ST3</b>	Black	With DVI connector	3	25 x 50
<b>EBG-DVI-D LA</b>	Black	With soldered connection	—	25 x 50



HDMI connection

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-HDMI ST3</b>	Black	With HDMI connector	3	25 x 50
<b>EBG-HDMI BT0.2</b>	Black	With HDMI socket	0.2	25 x 50



Audio connection, 2x cinch

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-LR RCA ST3</b>	Black	With cinch connector	3	25 x 50
<b>EBG-LR RCA LA</b>	Black	With soldered connection	—	25 x 50



Audio connection, 2x jack

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-12KL ST3</b>	Black	With mini jack connector	3	25 x 50
<b>EBG-12KL LA</b>	Black	With soldered connection	—	25 x 50



Audio connection, 1x jack

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-1KL ST3</b>	Black	With mini jack connector	3	25 x 50
<b>EBG-1KL LA</b>	Black	With soldered connection	—	25 x 50



Video connection, 1x cinch, 1x MiniDIN

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VHS SVHS ST3</b>	Black	With connector	3	25 x 50
<b>EBG-VHS SVHS LA</b>	Black	With soldered connection	—	25 x 50



Video connection, 1x cinch

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VHS ST3</b>	Black	With cinch connector	3	25 x 50
<b>EBG-VHS LA</b>	Black	With soldered connection	—	25 x 50



Video connection, 1x MiniDIN

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-SVHS ST3</b>	Black	With Mini-DIN connector	3	25 x 50
<b>EBG-SVHS LA</b>	Black	With soldered connection	—	25 x 50



Connection combination, 1x VGA, 1x jack

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VGA 1KL ST3</b>	Black	Cable with connector	3	25 x 50
<b>EBG-VGA 1KL LA</b>	Black	With soldered connection	—	25 x 50



Connection combination, 1x cinch, 1x jack

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VHS 1KL ST3</b>	Black	Cable with connector	3	25 x 50
<b>EBG-VHS 1KL LA</b>	Black	With soldered connection	—	25 x 50



Component video connection, 3x cinch

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-CV 3RCA ST3</b>	Black	With cinch connector	3	25 x 50
<b>EBG-CV 3RCA LA</b>	Black	With soldered connection	—	25 x 50



Serial connection

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-SER9 BU3</b>	Black	With D-Sub9 socket	—	25 x 50
<b>EBG-SER9 LA</b>	Black	With soldered connection	—	25 x 50



USB connection, Type A

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-USB2A ST3</b>	Black	USB 2.0 with Type A connector	3	25 x 50
<b>EBG-USB3A ST3</b>	Black	USB 3.0 with Type A connector	3	25 x 50



Antenna connection, TV/radio

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-TV-R ST2.5</b>	Black	With connector/socket	2.5	50 x 50





# DB - device installation solutions for customer-specific Deskbox

## Selection of switching devices and accessories



**One-way switch**

Type	Colour	Version	Dimension
			mm
<b>EBG-EAS</b>	<b>Black</b>	16 A	50 x 50



**Switch**

Type	Colour	Version	Dimension
			mm
<b>EBG-TA1 OST3</b>	<b>Black</b>	Without connector	25 x 50



**Radio receiver, EnOcean**

Type	Colour	Version	Dimension
			mm
<b>EBG-FEP 2K</b>	<b>Black</b>	Switching power max. 16 A, 230 V~	75 x 50



**4-channel radio transmitter, EnOcean**

Type	Colour	Dimension
		mm
<b>EBG-FMS 4K</b>	<b>Black</b>	50 x 50



**2-channel radio transmitter, EnOcean**

Type	Colour	Dimension
		mm
<b>EBG-FMS 2K</b>	<b>Black</b>	50 x 50



**Labelling panel**

Type	Colour	Dimension
		mm
<b>EBG-BF</b>	<b>Black</b>	15 x 50



# DBV - ready-for-connection Deskbox, lowerable



## Deskbox DBV, 2 sockets

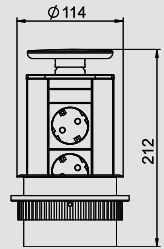
Type	Version		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>DBV-A3A D2S</b>	Cover painted silver		1	93.230	<b>6116 85 4</b>
<b>DBV-A3E D2S</b>	Stainless steel cover		1	99.230	<b>6116 85 8</b>

**Al** Aluminium **EL** Anodised /pc.

Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop. Equipment:

- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of up to 50 mm thickness.



## Deskbox DBV, 3 sockets

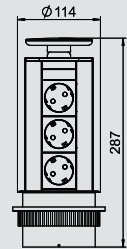
Type	Version		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>DBV-A3A D3S</b>	Cover painted silver		1	98.230	<b>6116 86 2</b>
<b>DBV-A3E D3S</b>	Stainless steel cover		1	106.230	<b>6116 86 6</b>

**Al** Aluminium **EL** Anodised /pc.

Lowerable Deskbox with connection cable for fixed installation on a tabletop, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop. Equipment:

- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of up to 50 mm thickness.



## Deskbox DBV, 2 sockets, 2x RJ45 Cat. 6

Type	Version		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>DBV-A3A D2S2K</b>	Cover painted silver		1	98.230	<b>6116 87 0</b>
<b>DBV-A3E D2S2K</b>	Stainless steel cover		1	106.230	<b>6116 87 4</b>

**Al** Aluminium **EL** Anodised /pc.

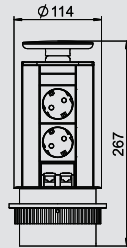
Lowerable Deskbox with connection cable for fixed installation on a table top, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

Equipment:

- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.



## Deskbox DBV, 3 sockets, 2x RJ45 Cat. 6

Type	Version		Pack.	Weight	Item No.
			pcs	kg/100 pcs.	
<b>DBV-A3A D3S2K</b>	Cover painted silver		1	103.230	<b>6116 87 8</b>
<b>DBV-A3E D3S2K</b>	Stainless steel cover		1	111.230	<b>6116 88 2</b>

**Al** Aluminium **EL** Anodised /pc.

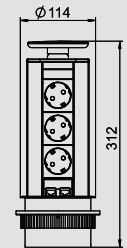
Lowerable Deskbox with connection cable for fixed installation on a table top, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

Equipment:

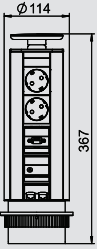
- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.



## DBV - ready-for-connection Deskbox, lowerable



### Deskbox DBV, 2 sockets, VGA, mini jack, 2x RJ45 Cat. 6

Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DBV-MA3A D3S2K</b>	Cover painted silver	1	118.230	<b>6116 88 6</b>
<b>DBV-MA3E D3S2K</b>	Stainless steel cover	1	126.230	<b>6116 89 0</b>

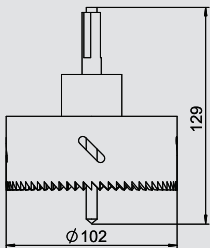
**Al** Aluminium **EL** Anodised /pc.

Lowerable Deskbox with connection cable for fixed installation on a table top, plastic fastening sleeve, painted accordingly in cover shade. It is mounted using a drill hole (Ø102 mm) in the tabletop.

#### Equipment:

- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3,5 mm, incl. 3.0 m connection cable with connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of up to 50 mm thickness.



### Circular band saw for Deskbox DBV

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>DBZ-LS</b>	1	100.000	<b>6116 99 4</b>

/pc.

Circular band saw as a mounting tool for precise installation of a Deskbox of Type DBV-..., drill hole diameter 102 mm.



## DBV - device installation solutions for customer-specific Deskbox



### Individual configuration of Deskbox DBV

A ready-for-connection Deskbox is equipped and delivered according to your specifications. The installation solutions for individual equipment shown in the following section are available.

DB - device installation solutions for customer-specific Deskbox

- Selection of country-specific sockets
- Selection of protection elements
- Selection of data technology connections
- Selection of multimedia connections
- Selection switching devices and accessories

You can find detailed instructions and a configuration aid in the planning section.



# DBV - device installation solutions for customer-specific Deskbox

## Selection of country-specific sockets



Socket 60°, protective contact

Type	Colour	Version	Dimension
			mm
EBG-D6 SW	Black	Single, 60°	50 x 50
EBG-D6 RO	Red	Single, 60°	50 x 50



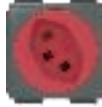
Socket 60°, with earthing pin

Type	Colour	Version	Dimension
			mm
EBG-F6 SW	Black	Single, 60°	50 x 50
EBG-F6 RO	Red	Single, 60°	50 x 50



Socket 60°, Switzerland, 10 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH6 10SW	Black	Single, 60°	10	50 x 50
EBG-CH6 10RO	Red	Single, 60°	10	50 x 50



Socket 60°, Switzerland, 16 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH6 16SW	Black	Single, 60°	16	50 x 50
EBG-CH6 16RO	Red	Single, 60°	16	50 x 50



Socket 0°, Switzerland, as slanting outlet, 10 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH0S 10SW	Black	Single, 0°	10	50 x 75
EBG-CH0S 10RO	Red	Single, 0°	10	50 x 75



Socket 0°, Switzerland, as slanting outlet, 16 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH0S 16SW	Black	Single, 0°	16	50 x 75
EBG-CH0S 16RO	Red	Single, 0°	16	50 x 75



Socket 60°, Denmark

Type	Colour	Version	Dimension
			mm
EBG-DK6 SW	Black	Single, 60°	50 x 50



Socket 60°, Denmark, IT-encoded

Type	Colour	Version	Dimension
			mm
EBG-DKE6 SW	Black	Single, 60°	50 x 50
EBG-DKE6 RO	Red	Single, 60°	50 x 50



Socket 90°, British Standard

Type	Colour	Version	Dimension
			mm
EBG-BS9 SW	Black	Single, 90°	50 x 75
EBG-BS9 RO	Red	Single, 90°	50 x 75



Socket 90°, British Standard, with 3.15 A fuse

Type	Colour	Version	Fuse	Dimension
			A	mm
EBG-BSS9 3.15SW	Black	Single, 90°	3.5	50 x 75
EBG-BSS9 3.15RO	Red	Single, 90°	3.5	50 x 75



Socket 90°, British Standard, with 5 A fuse

Type	Colour	Version	Fuse	Dimension
			A	mm
EBG-BSS9 5SW	Black	Single, 90°	5	50 x 75
EBG-BSS9 5RO	Red	Single, 90°	5	50 x 75



Socket 0°, Italy

Type	Colour	Version	Dimension
			mm
EBG-IT0 SW	Black	Single, 0°	50 x 50



Socket 60°, Australia

Type	Colour	Version	Dimension
			mm
EBG-AU6 SW	Black	Single, 60°	50 x 50
EBG-AU6 RO	Red	Single, 60°	50 x 50



Socket 0°, Australia, as slanting outlet

Type	Colour	Version	Dimension
			mm
EBG-AU0S SW	Black	Single, 0°	50 x 75
EBG-AU0S 56	Black	Single, 0°	50 x 75

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Workplace systems, Deskboxes and Flexkanal



# DBV - device installation solutions for customer-specific Deskbox

## Selection of country-specific sockets



Socket 60°, China

Type	Colour	Version	Dimension
			mm
<b>EBG-CN6 SW</b>	Black	Single, 60°	50 x 50
<b>EBG-CN6 RO</b>	Red	Single, 60°	50 x 50



Socket 60°, USA

Type	Colour	Version	Dimension
			mm
<b>EBG-US6 SW</b>	Black	Single, 60°	50 x 50
<b>EBG-US6 RO</b>	Red	Single, 60°	50 x 50



Socket 0°, multi-standard

Type	Colour	Version	Dimension
			mm
<b>EBG-MS0 SW</b>	Black	Single, 0°	50 x 50



Socket 0°, India

Type	Colour	Version	Number of poles	Dimension
				mm
<b>EBG-IN0 SW</b>	Black	Single, 0°	3	50 x 50



Socket 0°, China, as slanting outlet

Type	Colour	Version	Dimension
			mm
<b>EBG-CN0S SW</b>	Black	Single, 0°	50 x 75
<b>EBG-CN0S RO</b>	Red	Single, 0°	50 x 75



Socket 0°, USA, as slanting outlet

Type	Colour	Version	Dimension
			mm
<b>EBG-US0S SW</b>	Black	Single, 0°	50 x 75
<b>EBG-US0S RO</b>	Red	Single, 0°	50 x 75



Socket 0°, India, 2/3-pin

Type	Colour	Version	Dimension
			mm
<b>EBG-INE0 SW</b>	Black	Single, 0°	50 x 50



USB charger, USB Type A, double

Type	Colour	Version	Connection system	Dimension
				mm
<b>EBG-2USB-C SW</b>	Black	Double	USB Type A	75 x 50

## Selection of protective elements



Residual current circuit-breaker

Type	Colour	Version	Nominal current	Dimension
			A	mm
<b>EBG-FIS25</b>	Black	Sensitivity 30 mA	25	100 x 50



Overload switch for socket, USA

Type	Colour	Version	Nominal current	Nominal voltage	Dimension
			A	V	mm
<b>EBG-ÜLS US0</b>	Black	1-pin	15	125	25 x 50



Circuit-breaker

Type	Colour	Nominal current	Dimension
		A	mm
<b>EBG-LSS10</b>	Black	10	100 x 50
<b>EBG-LSS13</b>	Black	13	100 x 50
<b>EBG-LSS16</b>	Black	16	100 x 50



Overload switch for socket, Australia

Type	Colour	Version	Nominal current	Nominal voltage	Dimension
			A	V	mm
<b>EBG-ÜLS AU0</b>	Black	1-pin	10	125	25 x 50



# DBV - device installation solutions for customer-specific Deskbox

## Selection of data technology connections



RJ45 data technology connection, R&M, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-RMS C5G ST3</b>	Black	Cat. 5e, shielded	3	RJ45	50 x 50
<b>EBG-RMS C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-RMS C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-RMS C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



2x data technology connection RJ45, R&M, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-RM2S C5G ST3</b>	Black	Cat. 5e, shielded	3	RJ45	50 x 50
<b>EBG-RM2S C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-RM2S C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-RM2S C6AGST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



RJ45 data technology connection, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-NS C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-NS C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-NS C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



2x data technology connection RJ45, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N2S C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-N2S C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-N2S C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



GG45 data technology connection, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-NS C7 ST3</b>	Black	Cat. 7, shielded	3	GG45	50 x 50
<b>EBG-NS C7A ST3</b>	Black	Cat. 7A, shielded	3	GG45	50 x 50



2x data technology connection GG45, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N2S C7 ST3</b>	Black	Cat. 7, shielded	3	GG45	50 x 50
<b>EBG-N2S C7A ST3</b>	Black	Cat. 7A, shielded	3	GG45	50 x 50



RJ45 data technology connection, 1:1 coupling, as slanting outlet

Type	Colour	Version	Dimension mm
<b>EBG-KS C6G</b>	Black	Cat. 6, shielded, RJ45 to RJ45	50 x 50



2x data technology connection RJ45, 1:1 coupling, as slanting outlet

Type	Colour	Version	Dimension mm
<b>EBG-K2S C6G</b>	Black	Cat. 6, shielded, RJ45 to RJ45	50 x 50



Telephone connection RJ11, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-RJ11S ST3</b>	Black	RJ11 socket with RJ45 connector	3	50 x 50



2x telephone connection RJ11, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-2RJ11S ST3</b>	Black	RJ11 socket with RJ45 connector	3	50 x 50

## Selection of multimedia connections



VGA connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VGA S ST3</b>	Black	With VGA connector	3	50 x 50
<b>EBG-VGA S LA</b>	Black	With soldered connection	—	50 x 50



DVI-A connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-DVI-A S ST3</b>	Black	With DVI connector	3	50 x 50
<b>EBG-DVI-A S LA</b>	Black	With soldered connection	—	50 x 50



DVI-D connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-DVI-D S ST3</b>	Black	With DVI connector	3	50 x 50
<b>EBG-DVI-D S LA</b>	Black	With soldered connection	—	50 x 50



HDMI connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-HDMI S ST3</b>	Black	With HDMI connector	3	50 x 50
<b>EBG-HDMI S BT0.2</b>	Black	With HDMI socket	0.2	50 x 50



# DBV - device installation solutions for customer-specific Deskbox

## Selection of multimedia connections



Audio connection, 2x cinch, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-LRS 2RCA ST3</b>	Black	With cinch connector	3	50 x 50
<b>EBG-LRS 2RCA LA</b>	Black	With soldered connection	—	50 x 50



Audio connection, 2x jack, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-12KLS ST3</b>	Black	With mini jack connector	3	50 x 50
<b>EBG-12KLS LA</b>	Black	With soldered connection	—	50 x 50



Audio connection, 1x jack, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-1KLS ST3</b>	Black	With mini jack connector	3	50 x 50
<b>EBG-1KLS LA</b>	Black	With soldered connection	—	50 x 50



Video connection, 1x cinch, 1x MiniDIN, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-VHSSVHS SST3</b>	Black	Cable with connector	3	50 x 50
<b>EBG-VHS SVHS SLA</b>	Black	With soldered connection	—	50 x 50



Video connection, 1x cinch, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-VHS ST3</b>	Black	Cable with cinch connector	3	50 x 50
<b>EBG-VHS SLA</b>	Black	With soldered connection	—	50 x 50



Video connection, 1x MiniDIN, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-SVHS SST3</b>	Black	With Mini-DIN connector	3	50 x 50
<b>EBG-SVHS SLA</b>	Black	With soldered connection	—	50 x 50



Connection combination, 1x cinch, 1x jack, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-VHS 1KL SST3</b>	Black	With connector	3	50 x 50
<b>EBG-VHS 1KL SLA</b>	Black	With soldered connection	—	50 x 50



Component video connection, 3x cinch, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-CVS 3RCA ST3</b>	Black	Cinch connector	3	50 x 50
<b>EBG-CVS 3RCA LA</b>	Black	With soldered connection	—	50 x 50



Serial connection as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-SER9S BU3</b>	Black	With D-Sub9 socket	3	50 x 50
<b>EBG-SER9S LA</b>	Black	With soldered connection	—	50 x 50



USB connection, Type A, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-USB2AS ST3</b>	Black	USB 2.0 with Type A connector	3	50 x 50
<b>EBG-USB3AS ST3</b>	Black	USB 3.0 with Type A connector	—	50 x 50



2x USB connection, Type A, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-2USB2AS ST3</b>	Black	USB 2.0 with Type A connector	3	50 x 50
<b>EBG-2USB3AS ST3</b>	Black	USB 3.0 with Type A connector	3	50 x 50



3x USB connection, Type A, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-3USB2AS ST3</b>	Black	USB 2.0 with Type A connector	3	50 x 50
<b>EBG-3USB3AS ST3</b>	Black	USB 3.0 with Type A connector	3	50 x 50



Antenna connection, TV/radio, as slanting outlet

Type	Colour	Version	Connection cable length	Dimension
			m	mm
<b>EBG-TV R SST2.5</b>	Black	With connector/socket	2.5	50 x 50





# DBV - device installation solutions for customer-specific Deskbox

## Selection of switching devices and accessories



**One-way switch**

Type	Colour	Version	Dimension
			mm
<b>EBG-EAS</b>	<b>Black</b>	16 A	50 x 50



**Switch**

Type	Colour	Version	Dimension
			mm
<b>EBG-TA1 OST3</b>	<b>Black</b>	Without connector	25 x 50



**Switch, slanting outlet**

Type	Colour	Version	Dimension
			mm
<b>EBG-TA1S OST3</b>	<b>Black</b>	Incl. 3.0 m cable without connector	50 x 50



**Radio receiver, EnOcean**

Type	Colour	Version	Dimension
			mm
<b>EBG-FEP 2K</b>	<b>Black</b>	Switching power max. 16 A, 230 V~	75 x 50



**4-channel radio transmitter, EnOcean**

Type	Colour	Dimension
		mm
<b>EBG-FMS 4K</b>	<b>Black</b>	50 x 50



**2-channel radio transmitter, EnOcean**

Type	Colour	Dimension
		mm
<b>EBG-FMS 2K</b>	<b>Black</b>	50 x 50



**Labelling panel**

Type	Colour	Dimension
		mm
<b>EBG-BF</b>	<b>Black</b>	15 x 50



# DBK - ready-for-connection Deskbox, foldable

## Deskbox DBK, 3 sockets



Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DBK-3A3 D3S</b>	Housing made of brushed stainless steel	1	133.860	<b>6116 82 0</b>

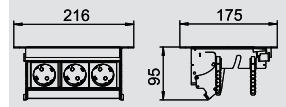
V2A Stainless steel, grade 304 /pc.

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 185 x 157 mm installation opening in the tabletop.

### Equipment:

- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of between 19 and 35 mm thickness.



## Deskbox DBK, 4 sockets



Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DBK-4A3 D4S</b>	Housing made of brushed stainless steel	1	163.860	<b>6116 82 8</b>

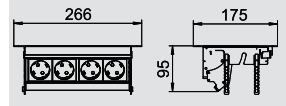
V2A Stainless steel, grade 304 /pc.

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 235 x 157 mm installation opening in the tabletop.

### Equipment:

- Four black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.

Note: Can be used in tabletops of between 19 and 50 mm thickness.



## Deskbox DBK, 2 sockets, 2x RJ45 Cat. 6



Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DBK-3A3 D2S2K</b>	Housing made of brushed stainless steel	1	133.860	<b>6116 82 4</b>

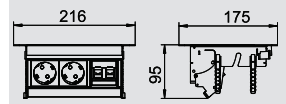
V2A Stainless steel, grade 304 /pc.

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 185 x 157 mm installation opening in the tabletop.

### Equipment:

- Two black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.  
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of between 19 and 35 mm thickness.



## Deskbox DBK, 3 sockets, 2x RJ45 Cat. 6



Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DBK-4A3 D3S2K</b>	Housing made of brushed stainless steel	1	163.860	<b>6116 83 2</b>

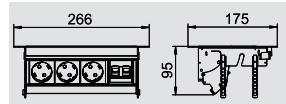
V2A Stainless steel, grade 304 /pc.

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 235 x 157 mm installation opening in the tabletop.

### Equipment:

- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.  
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of between 19 and 50 mm thickness.



# DBK - ready-for-connection Deskbox, foldable



## Deskbox DBK, 2 sockets, VGA, mini jack, 2x RJ45 Cat. 6

Type	Version	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>DBK-M6A3 D3S2K</b>	Housing made of brushed stainless steel	1	233.860	<b>6116 83 6</b>



V2A Stainless steel, grade 304 /pc.

Foldable Deskbox with connection cable for fixed installation in a tabletop, housing made of brushed stainless steel with brush bar as cable outlet. It is mounted using a 335 x 157 mm installation opening in the tabletop.

### Equipment:

- Three black protection contact sockets in 60° connection direction, incl. 3.0 m power cable with angular connector CEE 7/7.
- One VGA 15-pin HDD socket, incl. 3.0 m connection cable with connector.
- One audio jack socket 3.5 mm, incl. 3.0 m connection cable with connector.
- Two data technology couplings RJ45 to RJ45, 1:1 switched, Cat. 6 shielded.

Note: Can be used in tabletops of between 19 and 50 mm thickness.



## DBK - device installation solutions for customer-specific Deskbox



### Individual configuration of Deskbox DBK

A ready-for-connection Deskbox is equipped and delivered according to your specifications. The installation solutions for individual equipment shown in the following section are available.

DB - device installation solutions for customer-specific Deskbox

- Selection of country-specific sockets
- Selection of protection elements
- Selection of data technology connections
- Selection of multimedia connections
- Selection switching devices and accessories

You can find detailed instructions and a configuration aid in the planning section.



# DBK - device installation solutions for customer-specific Deskbox

## Selection of country-specific sockets



Socket 60°, protective contact

Type	Colour	Version	Dimension
			mm
EBG-D6 SW	Black	Single, 60°	50 x 50
EBG-D6 RO	Red	Single, 60°	50 x 50



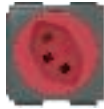
Socket 60°, with earthing pin

Type	Colour	Version	Dimension
			mm
EBG-F6 SW	Black	Single, 60°	50 x 50
EBG-F6 RO	Red	Single, 60°	50 x 50



Socket 60°, Switzerland, 10 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH6 10SW	Black	Single, 60°	10	50 x 50
EBG-CH6 10RO	Red	Single, 60°	10	50 x 50



Socket 60°, Switzerland, 16 A

Type	Colour	Version	Nominal current	Dimension
			A	mm
EBG-CH6 16SW	Black	Single, 60°	16	50 x 50
EBG-CH6 16RO	Red	Single, 60°	16	50 x 50



Socket 60°, Denmark

Type	Colour	Version	Dimension
			mm
EBG-DK6 SW	Black	Single, 60°	50 x 50



Socket 60°, Denmark, IT-encoded

Type	Colour	Version	Dimension
			mm
EBG-DKE6 SW	Black	Single, 60°	50 x 50
EBG-DKE6 RO	Red	Single, 60°	50 x 50



Socket 30°, British Standard

Type	Colour	Version	Dimension
			mm
EBG-BS3 SW	Black	Single, 30°	60 x 50
EBG-BS3 RO	Red	Single, 30°	60 x 50



Socket 30°, British Standard, with 3.15 A fuse

Type	Colour	Version	Fuse	Dimension
			A	mm
EBG-BSS3 3.15SW	Black	Single, 30°	3.15	60 x 50
EBG-BSS3 3.15RO	Red	Single, 30°	3.15	60 x 50



Socket 30°, British Standard, with 5 A fuse

Type	Colour	Version	Fuse	Dimension
			A	mm
EBG-BSS3 5SW	Black	Single, 30°	5	60 x 50
EBG-BSS3 5RO	Red	Single, 30°	5	60 x 50



Socket 0°, Italy

Type	Colour	Version	Dimension
			mm
EBG-IT0 SW	Black	Single, 0°	50 x 50



Socket 0°, Australia

Type	Colour	Version	Dimension
			mm
EBG-AU0 SW	Black	Single, 0°	50 x 50
EBG-AU0 RO	Red	Single, 0°	50 x 50



Socket 60°, Australia

Type	Colour	Version	Dimension
			mm
EBG-AU6 SW	Black	Single, 60°	50 x 50
EBG-AU6 RO	Red	Single, 60°	50 x 50



Socket 0°, China

Type	Colour	Version	Dimension
			mm
EBG-CN0 SW	Black	Single, 0°	50 x 50
EBG-CN0 RO	Red	Single, 0°	50 x 50



Socket 60°, China

Type	Colour	Version	Dimension
			mm
EBG-CN6 SW	Black	Single, 60°	50 x 50
EBG-CN6 RO	Red	Single, 60°	50 x 50

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Workplace systems, Deskboxes and Flexkanal



# DBK - device installation solutions for customer-specific Deskbox

## Selection of country-specific sockets



Socket 0°, USA

Type	Colour	Version	Dimension
			mm
<b>EBG-US0 SW</b>	Black	Single, 0°	50 x 50
<b>EBG-US0 RO</b>	Red	Single, 0°	50 x 50



Socket 60°, USA

Type	Colour	Version	Dimension
			mm
<b>EBG-US6 SW</b>	Black	Single, 60°	50 x 50
<b>EBG-US6 RO</b>	Red	Single, 60°	50 x 50



Socket 0°, multi-standard

Type	Colour	Version	Dimension
			mm
<b>EBG-MS0 SW</b>	Black	Single, 0°	50 x 50



Socket 0°, India, 2/3-pin

Type	Colour	Version	Dimension
			mm
<b>EBG-INE0 SW</b>	Black	Single, 0°	50 x 50



Socket 0°, India

Type	Colour	Version	Number of poles	Dimension
				mm
<b>EBG-INO SW</b>	Black	Single, 0°	3	50 x 50



USB charger, USB Type A, double

Type	Colour	Version	Connection system	Dimension
				mm
<b>EBG-2USB-C SW</b>	Black	Double	USB Type A	75 x 50

## Selection of protective elements



Residual current circuit-breaker

Type	Colour	Version	Nominal current	Dimension
			A	mm
<b>EBG-FIS25</b>	Black	Sensitivity 30 mA	25	100 x 50



Circuit-breaker

Type	Colour	Nominal current	Dimension
		A	mm
<b>EBG-LSS10</b>	Black	10	100 x 50
<b>EBG-LSS13</b>	Black	13	100 x 50
<b>EBG-LSS16</b>	Black	16	100 x 50



Overload switch for socket, USA

Type	Colour	Version	Nominal current	Nominal voltage	Dimension
			A	V	mm
<b>EBG-ÜLS US0</b>	Black	1-pin	15	125	25 x 50



Overload switch for socket, Australia

Type	Colour	Version	Nominal current	Nominal voltage	Dimension
			A	V	mm
<b>EBG-ÜLS AU0</b>	Black	1-pin	10	125	25 x 50

## Selection of data technology connections



RJ45 data technology connection, R&M, as slanting outlet

Type	Colour	Version	Connection cable length	Connection system	Dimension
			m		mm
<b>EBG-RMS C5G ST3</b>	Black	Cat. 5e, shielded	3	RJ45	50 x 50
<b>EBG-RMS C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-RMS C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-RMS C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



2x data technology connection RJ45, R&M, as slanting outlet

Type	Colour	Version	Connection cable length	Connection system	Dimension
			m		mm
<b>EBG-RM2S C5G ST3</b>	Black	Cat. 5e, shielded	3	RJ45	50 x 50
<b>EBG-RM2S C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-RM2S C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-RM2S C6AGST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



# DBK - device installation solutions for customer-specific Deskbox

## Selection of data technology connections



RJ45 data technology connection, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-NS C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-NS C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-NS C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



2x data technology connection RJ45, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N2S C6 ST3</b>	Black	Cat. 6, unshielded	3	RJ45	50 x 50
<b>EBG-N2S C6G ST3</b>	Black	Cat. 6, shielded	3	RJ45	50 x 50
<b>EBG-N2S C6AG ST3</b>	Black	Cat. 6A, shielded	3	RJ45	50 x 50



GG45 data technology connection, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-NS C7 ST3</b>	Black	Cat. 7, shielded	3	GG45	50 x 50
<b>EBG-NS C7A ST3</b>	Black	Cat. 7A, shielded	3	GG45	50 x 50



2x data technology connection GG45, Nexans, as slanting outlet

Type	Colour	Version	Connection cable length m	Connection system	Dimension mm
<b>EBG-N2S C7 ST3</b>	Black	Cat. 7, shielded	3	GG45	50 x 50
<b>EBG-N2S C7A ST3</b>	Black	Cat. 7A, shielded	3	GG45	50 x 50



RJ45 data technology connection, 1:1 coupling, as slanting outlet

Type	Colour	Version	Dimension mm
<b>EBG-KS C6G</b>	Black	Cat. 6, shielded, RJ45 to RJ45	50 x 50



2x data technology connection RJ45, 1:1 coupling, as slanting outlet

Type	Colour	Version	Dimension mm
<b>EBG-K2S C6G</b>	Black	Cat. 6, shielded, RJ45 to RJ45	50 x 50



Telephone connection RJ11, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-RJ11S ST3</b>	Black	RJ11 socket with RJ45 connector	3	50 x 50



2x telephone connection RJ11, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-2RJ11S ST3</b>	Black	RJ11 socket with RJ45 connector	3	50 x 50

## Selection of multimedia connections



VGA connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VGA S ST3</b>	Black	With VGA connector	3	50 x 50
<b>EBG-VGA S LA</b>	Black	With soldered connection	—	50 x 50



DVI-A connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-DVI-A S ST3</b>	Black	With DVI connector	3	50 x 50
<b>EBG-DVI-A S LA</b>	Black	With soldered connection	—	50 x 50



DVI-D connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-DVI-D S ST3</b>	Black	With DVI connector	3	50 x 50
<b>EBG-DVI-D S LA</b>	Black	With soldered connection	—	50 x 50



HDMI connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-HDMI S ST3</b>	Black	With HDMI connector	3	50 x 50
<b>EBG-HDMI S BT0.2</b>	Black	With HDMI socket	0.2	50 x 50



Audio connection, 2x cinch, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-LRS 2RCA ST3</b>	Black	With cinch connector	3	50 x 50
<b>EBG-LRS 2RCA LA</b>	Black	With soldered connection	—	50 x 50



Audio connection, 2x jack, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-12KLS ST3</b>	Black	With mini jack connector	3	50 x 50
<b>EBG-12KLS LA</b>	Black	With soldered connection	—	50 x 50

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Workplace systems, Deskboxes and Flexkanal



# DBK - device installation solutions for customer-specific Deskbox

## Selection of multimedia connections



Audio connection, 1x jack, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-1KLS ST3</b>	Black	With mini jack connector	3	50 x 50
<b>EBG-1KLS LA</b>	Black	With soldered connection	—	50 x 50



Video connection, 1x cinch, 1x MiniDIN, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VHSSVHS SST3</b>	Black	Cable with connector	3	50 x 50
<b>EBG-VHS SVHS SLA</b>	Black	With soldered connection	—	50 x 50



Video connection, 1x cinch, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VHS ST3</b>	Black	Cable with cinch connector	3	50 x 50
<b>EBG-VHS SLA</b>	Black	With soldered connection	—	50 x 50



Video connection, 1x MiniDIN, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-SVHS SST3</b>	Black	With Mini-DIN connector	3	50 x 50
<b>EBG-SVHS SLA</b>	Black	With soldered connection	—	50 x 50



Connection combination, 1x cinch, 1x jack, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-VHS 1KL SST3</b>	Black	With connector	3	50 x 50
<b>EBG-VHS 1KL SLA</b>	Black	With soldered connection	—	50 x 50



Component video connection, 3x cinch, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-CVS 3RCA ST3</b>	Black	Cinch connector	3	50 x 50
<b>EBG-CVS 3RCA LA</b>	Black	With soldered connection	—	50 x 50



Serial connection as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-SER9S BU3</b>	Black	With D-Sub9 socket	3	50 x 50
<b>EBG-SER9S LA</b>	Black	With soldered connection	—	50 x 50



USB connection, Type A, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-USB2AS ST3</b>	Black	USB 2.0 with Type A connector	3	50 x 50
<b>EBG-USB3AS ST3</b>	Black	USB 3.0 with Type A connector	—	50 x 50



2x USB connection, Type A, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-2USB2AS ST3</b>	Black	USB 2.0 with Type A connector	3	50 x 50
<b>EBG-2USB3AS ST3</b>	Black	USB 3.0 with Type A connector	3	50 x 50



3x USB connection, Type A, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-3USB2AS ST3</b>	Black	USB 2.0 with Type A connector	3	50 x 50
<b>EBG-3USB3AS ST3</b>	Black	USB 3.0 with Type A connector	3	50 x 50



Antenna connection, TV/radio, as slanting outlet

Type	Colour	Version	Connection cable length m	Dimension mm
<b>EBG-TV R SST2.5</b>	Black	With connector/socket	2.5	50 x 50





# DBK - device installation solutions for customer-specific Deskbox

## Selection switching devices and accessories



**One-way switch**

Type	Colour	Version	Dimension
			mm
<b>EBG-EAS</b>	<b>Black</b>	16 A	50 x 50



**Switch**

Type	Colour	Version	Dimension
			mm
<b>EBG-TA1 OST3</b>	<b>Black</b>	Without connector	25 x 50



**Radio receiver, EnOcean**

Type	Colour	Version	Dimension
			mm
<b>EBG-FEP 2K</b>	<b>Black</b>	Switching power max. 16 A, 230 V~	75 x 50



**4-channel radio transmitter, EnOcean**

Type	Colour	Dimension
		mm
<b>EBG-FMS 4K</b>	<b>Black</b>	50 x 50



**2-channel radio transmitter, EnOcean**

Type	Colour	Dimension
		mm
<b>EBG-FMS 2K</b>	<b>Black</b>	50 x 50



**Labelling panel**

Type	Colour	Dimension
		mm
<b>EBG-BF</b>	<b>Black</b>	15 x 50



# Flexkanal and installation accessories

## Flexkanal



Type	Length	Colour	Pack.	Weight	Item No.
	mm		m	kg/100 m	
<b>FLK-2K LGR</b>	1000	Light grey	1	28.760	<b>6154 92 2</b>
<b>FLK-2K SWGR</b>	1000	Black-grey	1	28.760	<b>6154 93 0</b>



/m

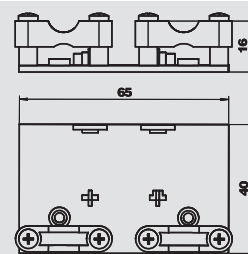
The Flexkanal runs your cables ordered and protected to the desk. It connects the Deskbox with the dado duct or with the floor connection box. When extended, the Flexkanal is 1,000 mm long, 60 mm wide and 20 mm high.

The trunking consists of two chambers, capacity per chamber:  
two cables of 8.5 mm diameter or three cables of 7.5 mm diameter or  
four cables of 7.0 mm diameter or five cables of 6.0 mm diameter.

## Holder with strain relief for Flexkanal



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>FLK-HL ZL</b>	Anthracite grey	1	1.030	<b>6154 96 1</b>



/pc.

The holder possesses two integrated strain reliefs and can be screwed on. A Flexkanal can be mounted directly on the holder.

## Fastening clamp for Flexkanal

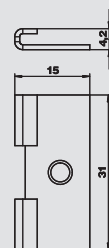


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>FLK-BEF</b>	1	0.150	<b>6154 96 8</b>

**Al** Aluminium

/pc.

The Flexkanal is suspended from the fastening clamp. The holder is fastened using a counter-sunk union.



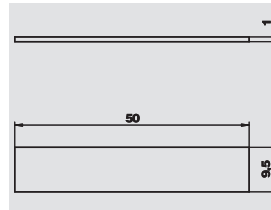
## Adhesive tapes for Flexkanal



Type	Length	Pack.	Weight	Item No.
	mm	pcs	kg/100 pcs.	
<b>FLK-KL</b>	50	1	0.100	<b>6154 97 1</b>

/pc.

Adhesive tape for fastening the Flexkanal.



## Floor rail for Flexkanal

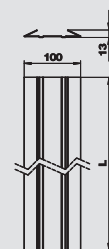


Type	Length	Colour	Pack.	Weight	Item No.
	mm		pcs	kg/100 pcs.	
<b>FLK-BS1</b>	1000	Anthracite grey	1	24.800	<b>6154 98 0</b>
<b>FLK-BS2</b>	2000	Anthracite grey	1	49.500	<b>6154 98 3</b>

/pc.

The Flexkanal is pushed directly into the floor rail. The ramp on both sides reduces the risk of stumbling.

Width: 100 mm



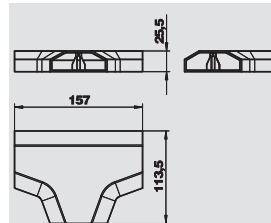
## T branch for Flexkanal

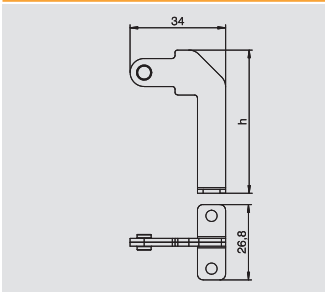


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>FLK-TAZ</b>	Anthracite grey	1	8.680	<b>6154 96 5</b>

/pc.

T branch for supply of working places with the Flexkanal.



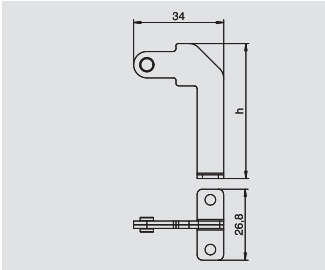


## Fastening bracket for Flexkanal in GES service outlet with 5 mm floor covering recess

Type	Material symbol	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>FKH GES5</b>	St	1	1.800	<b>7407 86 0</b>

**St** Steel **FS** Strip-galvanised /pc.

Fastening bracket to connect a Flexkanal to a GES service outlet with 5 mm floor covering recess.

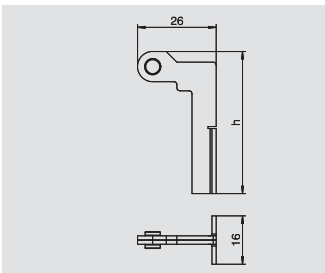


## Fastening bracket for Flexkanal in GES service outlets with 10 mm floor covering recess

Type	Material symbol	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>FKH GES10</b>	St	1	2.000	<b>7407 86 2</b>

**St** Steel **FS** Strip-galvanised /pc.

Fastening bracket to connect a Flexkanal to a GES service outlet with 10 mm floor covering recess.



## Fastening bracket for Flexkanal in GESRM2 service outlets

Type	Material symbol	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>FKH GESRM</b>	St	1	1.500	<b>7407 86 4</b>

**St** Steel **FS** Strip-galvanised /pc.

Fastening bracket to connect a Flexkanal to the service outlet GESRM2.





## Workplace systems, IAS® system










You can find more information in the  
Planner section

75



## Industrial and special connector systems

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	VHF accessories	Tensioning spring Knotted chain Partition Cover plate Protective equipment installation	200
	VHF sockets	Protective contact socket CEE connection unit	200



# VH power supply units, IP20

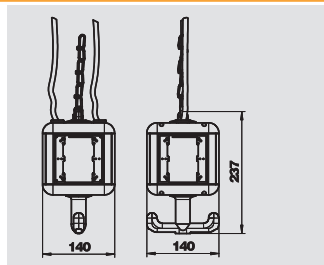


## VH-4 power supply unit, empty housing

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4 LG	Graphite black	1	61.700	6109 80 0

PA Polyamide /pc.

Empty housing with suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates



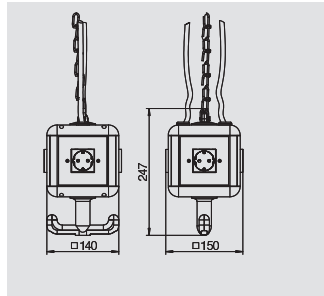
## VH-4 power supply unit, 4x protective contact socket

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4 4SD	Graphite black	1	95.000	6109 80 2

PA Polyamide /pc.

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 4 x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2 x 3-pin terminals, 1 x CEE socket 16 A/415 V, with partition for circuit separation.



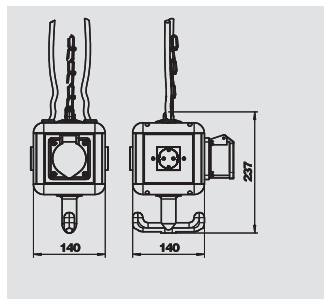
## VH-4 power supply unit, 3x protective contact socket, 1x CEE 16 A

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4 3SD1C16	Graphite black	1	115.700	6109 80 4

PA Polyamide /pc.

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 3 x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1 x 3-pin terminal, 1 x CEE socket 16 A/415 V, with partition for circuit separation.



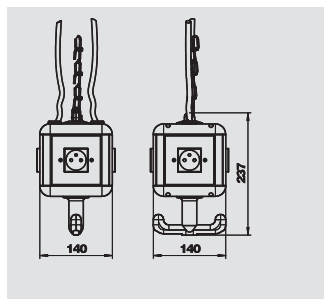
## VH-4 power supply unit, 4x earthing pin socket

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4 4SF	Graphite black	1	95.000	6109 80 6

PA Polyamide /pc.

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 4 x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2 x 3-pin terminals, 1 x CEE socket 16 A/415 V, with partition for circuit separation.



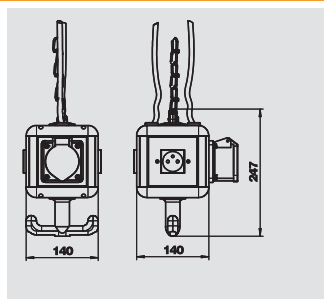
## VH-4 power supply unit, 3x earthing pin socket, 1x CEE 16 A

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4 3SF1C16	Graphite black	1	115.700	6109 80 8

PA Polyamide /pc.

Housing equipped and pre-wired with suspension lug, grip hook and four cover plates.

Equipped as follows: 3 x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1 x 3-pin terminal, 1 x CEE socket 16 A/415 V, with partition for circuit separation.

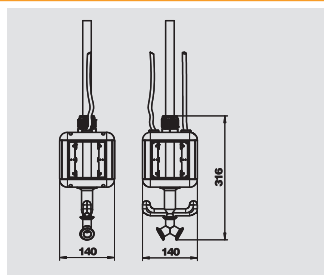


## VH-4 power supply unit, empty housing, with compressed air connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4L LG	Graphite black	1	343.800	6109 81 0

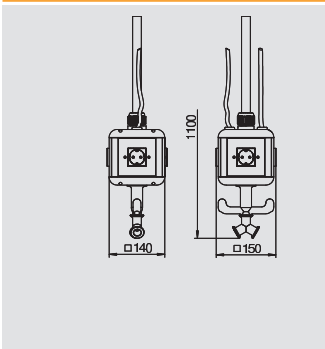
PA Polyamide /pc.

Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of four electrical resources, with included partition. Without cover plates.





## VH-4 power supply unit, 4x protective contact socket, with compressed air connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4L 4SD	Graphite black	1	428.600	6109 81 2

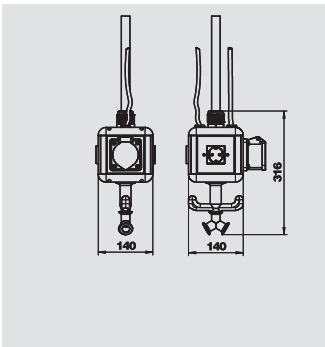
PA Polyamide /pc.

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 4 x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2 x 3-pin terminals, 1 x CEE socket 16 A/415 V, with partition for circuit separation.



## VH-4 power supply unit, 3x protective contact socket, 1x CEE 16 A, with compressed air connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4L 3SD1C16	Graphite black	1	440.000	6109 81 4

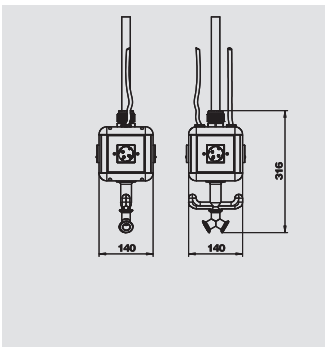
PA Polyamide /pc.

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 3 x single protective contact sockets 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1 x 3-pin terminal, 1 x CEE socket 16 A/415 V, with partition for circuit separation.



## VH-4 power supply unit, 4x earthing pin socket, with compressed air connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4L 4SF	Graphite black	1	428.600	6109 81 6

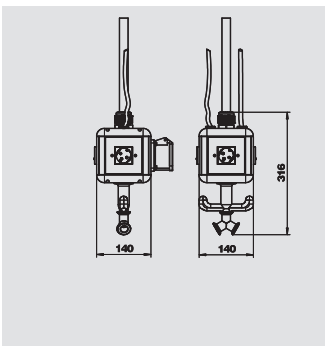
PA Polyamide /pc.

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 4 x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for two AC currents, connection via 2 x 3-pin terminals, 1 x CEE socket 16 A/415 V, with partition for circuit separation.



## VH-4 power supply unit, 3x earthing pin socket, 1x CEE 16 A, with compressed air connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4L 3SF1C16	Graphite black	1	440.000	6109 81 8

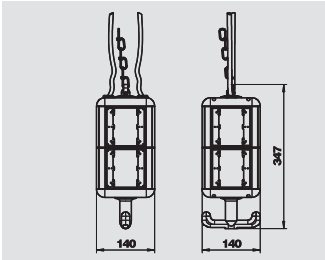
PA Polyamide /pc.

Housing equipped and pre-wired, with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2", with suspension lug, grip hook and four cover plates.

Equipped as follows: 3 x single sockets with earthing pin 16 A/250 V with increased touch protection, pre-wired for an AC current, connection via 1 x 3-pin terminal, 1 x CEE socket 16 A/415 V, with partition for circuit separation.



## VH-8 power supply unit, empty housing



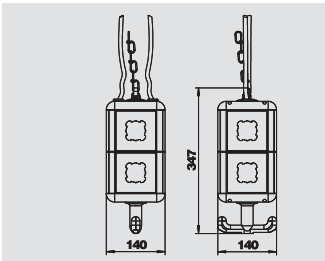
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-8 LG	Graphite black	1	88.200	6109 82 1

PA Polyamide /pc.

Empty housing with suspension lug and grip hook, for the installation of eight electrical resources, with included partition. Without cover plates.



## VH-8 power supply unit, empty housing, with cover plates



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-8 LG8P2	Graphite black	1	123.400	6109 82 0

PA Polyamide /pc.

Empty housing with suspension lug and grip hook, for the installation of eight electrical resources, with included partition. With eight cover plates for accessories with concealed support ring or support bracket.



# VH power supply units, IP20



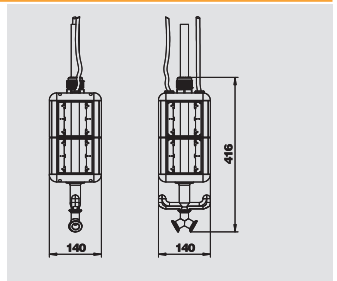
## VH-8 power supply unit, empty housing, with compressed air connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-8L LG	Graphite black	1	300.000	6109 82 5

PA Polyamide

/pc.

Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates.



## Tension spring VH

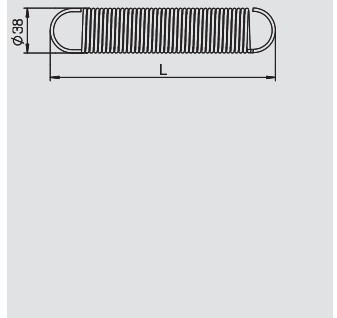
Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
VH-F80	1	34.710	6109 83 1

St Steel

/pc.

Tension spring for VH-4 and VH-8 with German eyelet.

Fmax. = 80 N  
L0 = 200 mm  
Ln = 500 mm (for Fmax.)  
Material: Sprung steel  $\varnothing$  2.8 mm



## Knotted chain

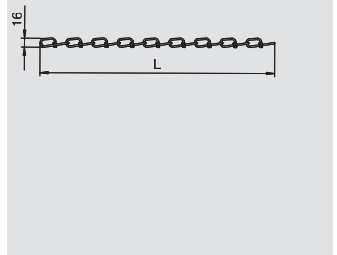
Type	Designation	Pack.	Weight	Item No.
		m	kg/100 m	
VH-K800	sold by the metre	1	20.000	6109 87 0

St Steel

/m

Knotted chain made of pre-copper-plated steel, nickel-plated, according to DIN 5686. Max. tensile force: 800 N.

Note: Specify the required chain length during ordering.



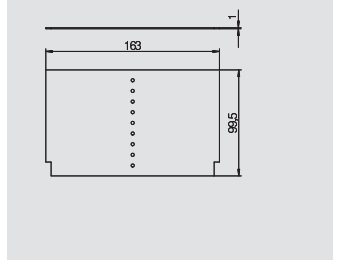
## Partition VH-4

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-4 TW	Graphite black	1	2.350	6109 83 2

PVC Polyvinylchloride

/pc.

Additional partition wall for reciprocal insulation of three different power circuits and types. Version for VH-4.



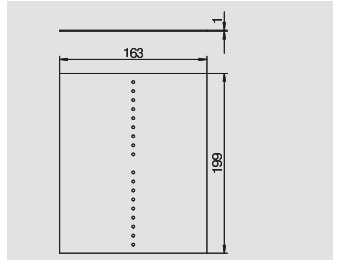
## Partition VH-8

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-8 TW	Graphite black	1	4.890	6109 86 2

PVC Polyvinylchloride

/pc.

Additional partition wall for reciprocal insulation of three different power circuits and types. Version for VH-8.



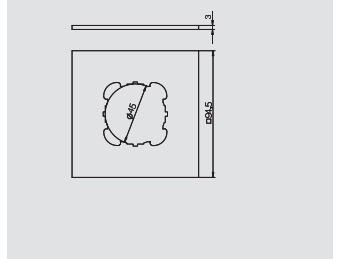
## Cover plate VH, for EK and EKR devices

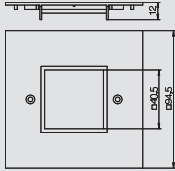
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VH-P2	Rape yellow	1	2.300	6109 83 4

PA Polyamide

/pc.

Cover plate with opening  $\varnothing$  45 mm for the installation of a device with concealed support ring or support clamp.



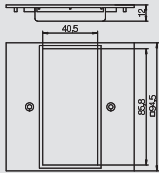


## Cover plate VH, for Modul 45 devices, single

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VH-P4</b>	Rape yellow	1	2.030	<b>6109 84 0</b>

**PA** Polyamide /pc.

Cover plate to install a single Modul 45 socket.

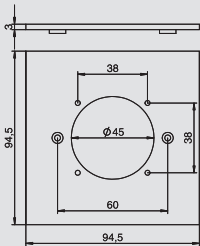


## Cover plate VH, for Modul 45 devices, double

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VH-P5</b>	Rape yellow	1	1.830	<b>6109 83 6</b>

**PA** Polyamide /pc.

Cover plate to install a double Modul 45 socket.

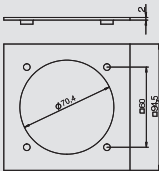


## Cover plate VH, for devices with 38 x 38 mm fastening system

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VH-P7</b>	Rape yellow	1	1.890	<b>6109 83 9</b>

**PA** Polyamide /pc.

Cover plate with opening for the installation of a socket with 38 x 38 mm fastening system.



## Cover plate VH, for CEE connection unit

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VH-P3</b>	Rape yellow	1	1.870	<b>6109 83 8</b>

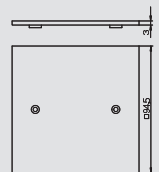
**PA** Polyamide /pc.

Cover plate with a  $\varnothing 70$  mm opening for the installation of a CEE socket 16/32 A with 60 mm fastening track, including four fastening screws.

Information on equipment:

Max. 2 CEE sockets 16/32 A in a power supply unit VH-4

Max. 4 CEE sockets 16/32 A in a power supply unit VH-8

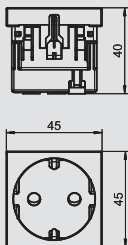


## VH cover plate as blanking cover

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VH-P1</b>	Rape yellow	1	3.000	<b>6109 84 2</b>

**PA** Polyamide /pc.

Cover plate as blanking cover.



## Socket 0°, protective contact, single

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-D0 RW1</b>	Pure white	20	3.800	<b>6117 00 1</b>

**PC** Polycarbonate /pc.

Power socket single 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.



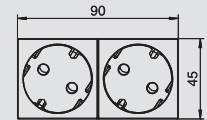
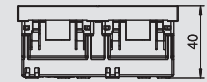
# VH power supply units, IP20

## Socket 33°, protective contact, double



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-D3 RW2</b>	Pure white	10	7.500	<b>6117 05 2</b>

**PC** Polycarbonate /pc.  
Power socket double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

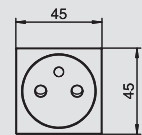
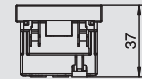


## Socket 0°, with earthing pin, single



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-F0 RW1</b>	Pure white	20	3.800	<b>6117 10 2</b>

**PC** Polycarbonate /pc.  
Socket with earthing pin single 0°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

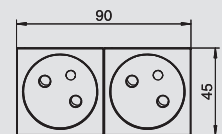
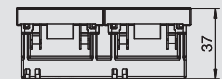


## Socket 33°, with earthing pin, double



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-F3 RW2</b>	Pure white	10	7.500	<b>6117 15 1</b>

**PC** Polycarbonate /pc.  
Socket with earthing pin double 33°, with increased touch protection with screwless terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

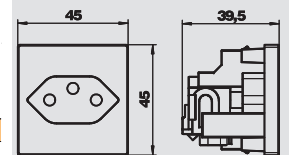


## Socket 0°, Switzerland, single



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-CHO RW1</b>	Pure white	1	3.400	<b>6117 20 0</b>

**PC** Polycarbonate /pc.  
Socket, single 0°, to Swiss standard (SEV), with screwless terminals, 2-pin, 16 A, 250 V~, type 13, with connection terminals to IEC 60884-1.

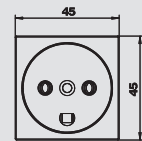
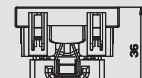


## Socket 0°, Denmark, single



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-DK0 RW1</b>	Pure white	20	3.050	<b>6117 20 2</b>

**PC** Polycarbonate /pc.  
Socket, single 0°, to Danish standard, with increased touch protection, with screw terminals, 2-pin, 16 A, 250 V~, with connection terminals to IEC 60884-1.

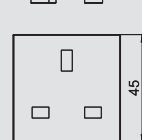


## Socket 0°, British Standard, single



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>SKS-BSL0 RW1</b>	Pure white	10	3.810	<b>6117 20 6</b>

**PC** Polycarbonate /pc.  
Socket, single 0°, according to British Standard, with increased touch protection, with screw terminals, 2-pin, 13 A 250 V~.

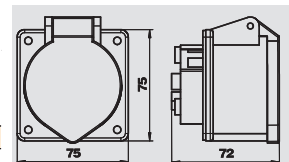


## CEE connection unit, 16 A

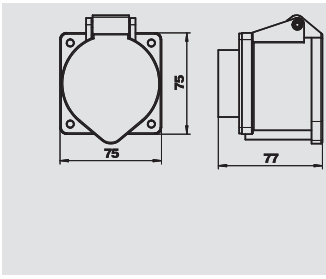


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>CEE-16A</b>	1	19.100	<b>6109 87 4</b>

**PC** Polycarbonate /pc.  
CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 16 A, 6 h.



# VH power supply units, IP20



## CEE connection unit, 32 A

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>CEE-32A</b>	1	20.400	<b>6109 87 6</b>



/pc.

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 32 A, 6 h.



# VHF power supply units, IP44

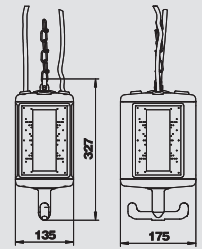


## VH-8 power supply unit, empty housing

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VHF-8 LG	Graphite black	1	105.000	6109 82 2

PA Polyamide /pc.

Empty housing with suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates to supply workplaces in wet areas. Protection rating: IP 44.

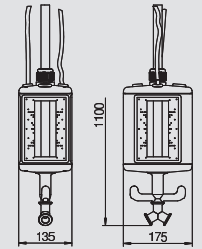


## VH-8 power supply unit, empty housing, with compressed air connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VHF-8L LG	Graphite black	1	400.000	6109 82 7

PA Polyamide /pc.

Empty housing with 1 m pipe 1/2" and connection for compressed air hose 13 x 3.5 mm and 2-way distributor 1/2". With suspension lug and grip hook, for the installation of electrical resources, with included partition. Without cover plates to supply workplaces in wet areas. Protection rating: IP 44.



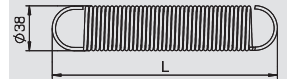
## Tension spring VHF

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
VHF-F100	1	34.710	6109 83 0

St Steel /pc.

Tension spring for VHF-8 with German eyelet.

Fmax = 100 N  
L0 = 200 mm  
Ln = 500 mm (for Fmax.)  
Material: Sprung steel  $\varnothing$  3.2 mm



## Knotted chain

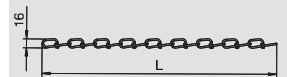
Type	Designation	Pack.	Weight	Item No.
		m	kg/100 m	
VH-K800	sold by the metre	1	20.000	6109 87 0

St Steel /m

Knotted chain made of pre-copper-plated steel, nickel-plated, according to DIN 5686.

Max. tensile force: 800 N.

Note: Specify the required chain length during ordering.

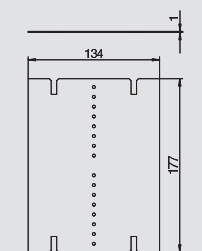


## Partition VHF, without compressed air connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VHF-TW	Graphite black	1	3.520	6109 86 0

PVC Polyvinylchloride /pc.

Additional partition wall for reciprocal insulation of three different power circuits and types.

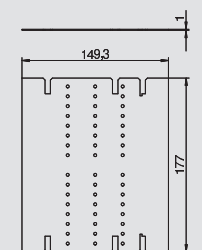


## Partition VHF, with compressed air connection

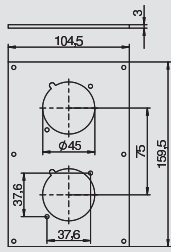
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VHF-TW L	Graphite black	1	3.900	6109 86 1

PVC Polyvinylchloride /pc.

Additional partition wall for reciprocal insulation of three different power circuits and types.



## Cover plate VHF, for 2 installation sockets, Type S901F

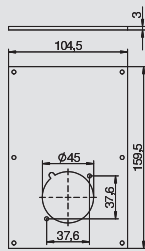


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P10</b>	Rape yellow	1	6.380	<b>6109 86 3</b>

**PVC** Polyvinylchloride /pc.  
Cover plate with two  $\varnothing 45$  mm openings for the installation of 2x power sockets with hinged cover (type S901F).



## Cover plate VHF, for installation socket, Type S901F

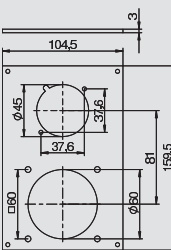


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P9</b>	Rape yellow	1	6.350	<b>6109 86 6</b>

**PVC** Polyvinylchloride /pc.  
Cover plate with a  $\varnothing 45$  mm opening for the installation of 1x power socket with hinged cover (type S901F).



## Cover plate VHF, for installation socket, Type S901F and CEE connection unit

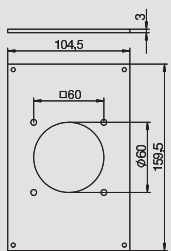


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P11</b>	Rape yellow	1	6.230	<b>6109 86 4</b>

**PVC** Polyvinylchloride /pc.  
Cover plate with a  $\varnothing 45$  mm opening for the installation of a power socket with hinged cover (type S901F) and a  $\varnothing 70$  mm opening for the installation of a CEE socket 16/32A with 60 mm fastening track.



## Cover plate VHF, for CEE connection unit

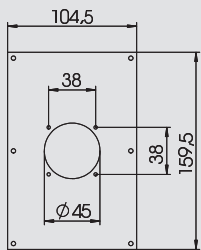


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P3</b>	Rape yellow	1	7.000	<b>6109 86 5</b>

**PVC** Polyvinylchloride /pc.  
Cover plate with a  $\varnothing 70$  mm opening for the installation of 1x CEE socket 16/32 A with 60 mm fastening track.



## Cover plate VHF, for one device with 38 x 38 mm fastening system

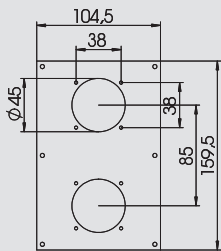


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P7</b>	Rape yellow	1	6.600	<b>6109 87 8</b>

**PVC** Polyvinylchloride /pc.  
Cover plate with opening for the installation of a socket with 38 x 38 mm fastening system.



## Cover plate VHF, for 2 devices with 38 x 38 mm fastening system

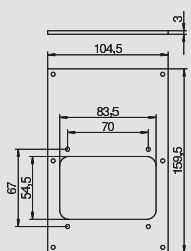


Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P8</b>	Rape yellow	1	5.900	<b>6109 87 9</b>

**PVC** Polyvinylchloride /pc.  
Cover plate with opening for the installation of two sockets with 38 x 38 mm fastening system.



## Cover plate VHF for protective equipment installation



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P6</b>	Rape yellow	1	5.350	<b>6109 86 7</b>

**PVC** Polyvinylchloride /pc.  
Cover plate with cut out for the installation of a cover above protection unit (type VHF-AE4TE). Maximum equipment corresponds to four units.



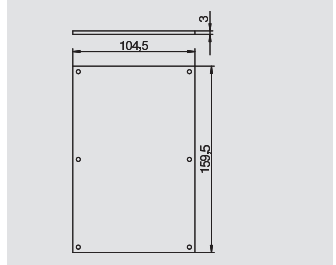
# VHF power supply units, IP44



## Cover plate VHF as blanking cover

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VHF-P1</b>	Rape yellow	1	7.000	<b>6109 86 8</b>

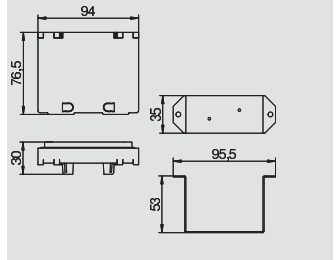
**PVC** Polyvinylchloride /pc.  
Cover plate as blanking cover.



## VHF protective unit construction, cover and support clamp

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>VHF-AE4TE</b>	1	12.800	<b>6109 85 0</b>

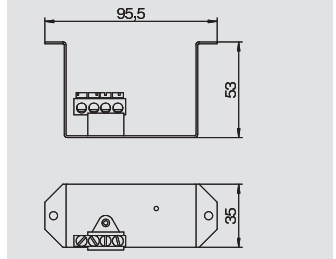
Cover and support clamp for the installation of protective equipment such as miniature circuit-breakers or FI protection switches to max. four units.  
Note: Use only in conjunction with the supports VHF-T1 or VHF-T2.



## VHF protective unit construction, support with PE terminal strip

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>VHF-T1</b>	1	6.730	<b>6109 85 2</b>

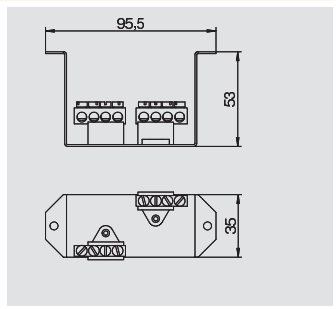
**St** Steel /pc.  
Support with PE terminal strip for installation of FI protection switches, consisting of:  
- Base element with hat rail 35 mm and PE terminal strip 4 x 10 mm<sup>2</sup>  
- Fastening material



## VHF protective unit construction, support with N + PE terminal strip

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>VHF-T2</b>	1	8.380	<b>6109 85 4</b>

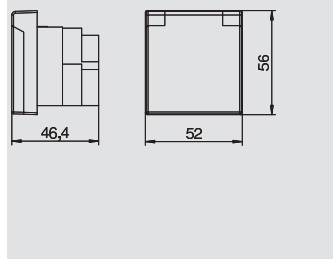
**St** Steel /pc.  
Support with N and PE terminal strip for installation of miniature circuit-breakers, consisting of:  
- Base element with hat rail 35 mm, N terminal strip 4 x 10 mm<sup>2</sup> and PE terminal strip 4 x 10 mm<sup>2</sup>  
- Fastening material



## Installation socket 45°, protective contact, with hinged cover, Type S901F

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>S901F</b>	Graphite black	1	7.500	<b>6109 87 2</b>

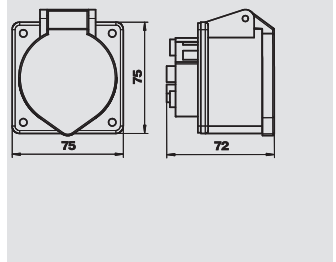
Single 45° power socket with hinged cover, for locking into the mounting opening of the cover plate. Protection rating: IP 44. /pc.



## CEE connection unit, 16 A

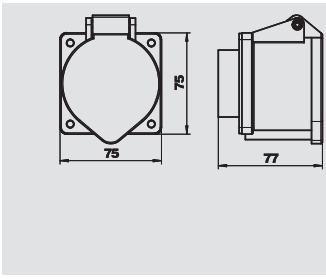
Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>CEE-16A</b>	1	19.100	<b>6109 87 4</b>

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 16 A, 6 h. /pc.





# VHF power supply units, IP44



## CEE connection unit, 32 A

Type	Pack.	Weight		Item No.
	pcs	kg/100 pcs.		
<b>CEE-32A</b>	1	20.400		<b>6109 87 6</b>





/pc.

CEE socket with 60 mm fastening track, 3-pin + N + PE, 400 V, 32 A, 6 h.





## Energy distribution systems

	<p>Consolidation Point</p>	<p>Empty housing Support plate for Modul 45® Support plate as cable outlet Blanking plate Terminal strip</p>	<p>204</p>
	<p>Energy distributor</p>	<p>Energy distributors, fixed connection Energy distributors, plug connection</p>	<p>205</p>
	<p>Installation accessories</p>	<p>Connector part, 3-pin Socket part, 3-pin Distributor block, 3-pin Connector part, 5-pin Socket part 5-pin</p>	<p>207</p>
	<p>Connection cable</p>	<p>3-pin plug socket 3-pin plug socket, halogen-free</p>	<p>209</p>

# Consolidation Point

## CP empty housing

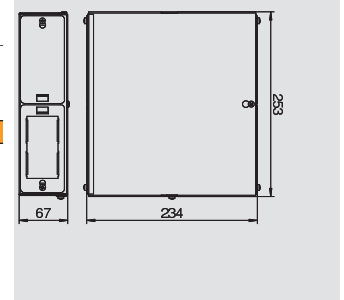


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>CP45-LG 8A</b>	1	190.000	<b>6108 03 7</b>

St Steel

/pc.

Consolidation Point empty housing for the installation of 4 Modul 45 accessories (expandable to max. eight Modul 45 accessories), consisting of housing base and cover, a cover hood to separate data technology and heavy current, two support plates for the installation of two Modul 45 accessories each, two blanking plates, two cable glands V-TEC M25 and a protective conductor connection bracket.



## CP support plate, for Modul 45® devices, double

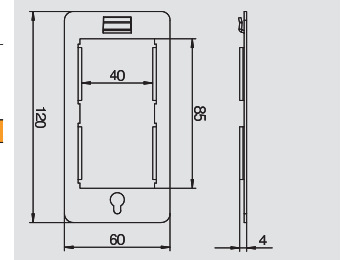


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>CP45-TP M</b>	1	4.200	<b>6108 03 9</b>

St Steel

/pc.

Support plate to accept two Modul 45 devices in a Consolidation Point housing.



## CP support plate, as cable outlet

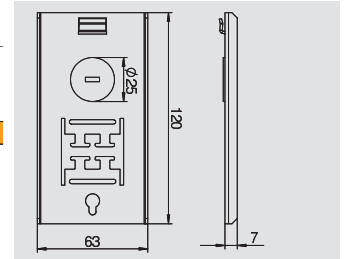


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>CP45-TP KE</b>	1	8.800	<b>6108 04 0</b>

St Steel

/pc.

Support plate for cable insertion into the Consolidation Point housing.



## CP support plate, as blanking cover

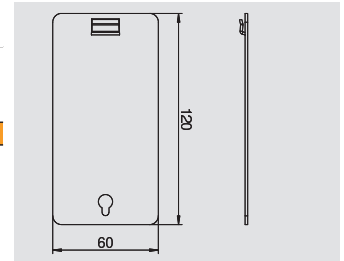


Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>CP45-BP</b>	1	8.000	<b>6108 04 2</b>

St Steel

/pc.

Blanking plate for closing off a mounting opening on a Consolidation Point housing.



## Terminal strip

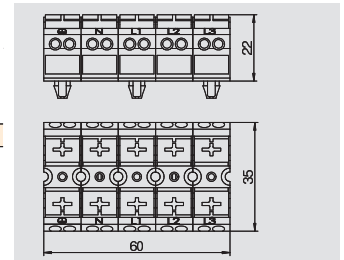


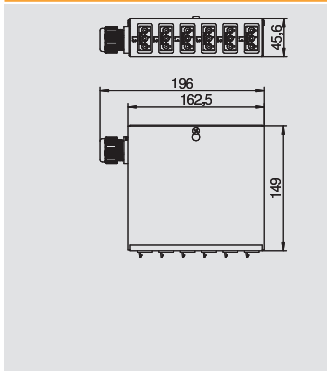
Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>CP45-KL</b>	Black	1	2.000	<b>6108 04 3</b>

St Steel

/pc.

Screwless terminal strip with locking foot, 5-pin for a cable cross-section of 0.5–4 mm².



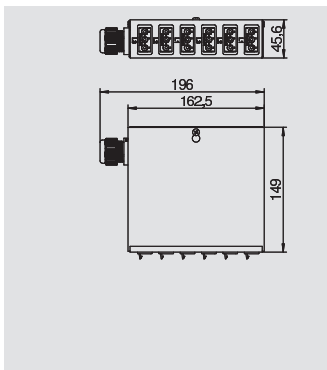


## UVS energy distributor, with 5-pin fixed connection, 6x 3-pin output sockets in black

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6S2</b>	1	77.000	<b>6108 00 0</b>

**St** Steel /pc.  
Energy distributor for heavy current technology with fixed connection, equipped and pre-wired.

Input: One 3-phase circuit via a screwless terminal block, 5-pin, for cable cross-sections of 0.5–4 mm<sup>2</sup>.  
Output: Six self-locking connectors, 3-pin, in black, 16 A, type GST18i (socket part: 2 x L1, 2 x L2, 2 x L3).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.

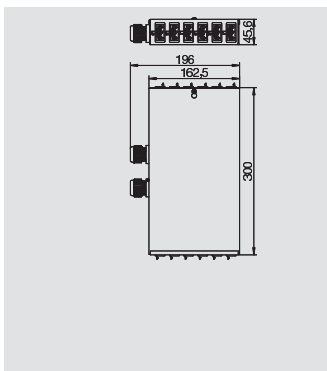


## UVS energy distributor, with 5-pin fixed connection, 6x 3-pin output sockets in white

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6W2</b>	1	77.000	<b>6108 00 5</b>

**St** Steel /pc.  
Energy distributor for heavy current technology with fixed connection, equipped and pre-wired.

Input: One 3-phase circuit via a screwless terminal block, 5-pin, for cable cross-sections of 0.5–4 mm<sup>2</sup>.  
Output: Six self-locking connectors, 3-pin, in white, 16 A, type GST18i (socket part: 2 x L1, 2 x L2, 2 x L3).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.

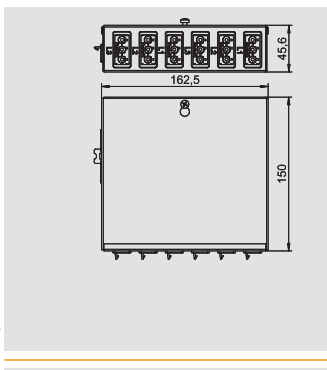


## UVS energy distributor, with 5-pin fixed connection, 6x 3-pin output sockets in black and white

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6S6W2</b>	1	146.100	<b>6108 01 0</b>

**St** Steel /pc.  
Energy distributor for heavy current technology with fixed connection, equipped and pre-wired.

Input: Two 3-phase circuits via a screwless terminal block, 5-pin, for cable cross-sections of 0.5–4 mm<sup>2</sup>.  
Output: Twelve self-locking connectors, 3-pin, in white (6x) and black (6x), 16 A, type GST18i (socket part: 2 x L1, 2 x L2, 2 x L3 for each rotary current circuit).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.

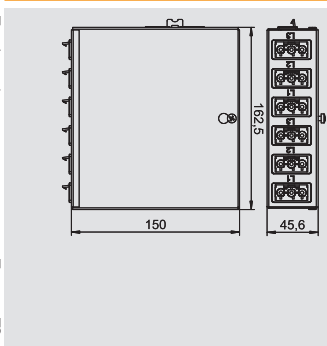


## UVS energy distributor, with 5-pin plug connection, 6x 3-pin output sockets in black

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6S2SA</b>	1	79.000	<b>6108 01 2</b>

**St** Steel /pc.  
Energy distributor for heavy current technology with plug connection, equipped and pre-wired.

Input: One 3-phase circuit using a self-locking connector, 5 -pin, type GST18i (connector part).  
Output: Six self-locking connectors, 3-pin, in black, 16 A, type GST18i (socket part: 2 x L1, 2 x L2, 2 x L3).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.



## UVS energy distributor, with 5-pin plug connection, 6x 3-pin output sockets in white

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6W2SA</b>	1	79.000	<b>6108 01 4</b>

**St** Steel /pc.  
Energy distributor for heavy current technology with plug connection, equipped and pre-wired.

Input: One 3-phase circuit using a self-locking connector, 5 -pin, type GST18i (connector part).  
Output: Six self-locking connectors, 3-pin, in white, 16 A, type GST18i (socket part: 2 x L1, 2 x L2, 2 x L3).  
Internal wiring: PVC non-sheathed cable H07V-U2.5.



# Energy distributor



## UVS energy distributor, with 5-pin plug connection, 6x 3-pin output sockets in black and white

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6S6W2SA</b>	1	140.000	<b>6108 01 6</b>

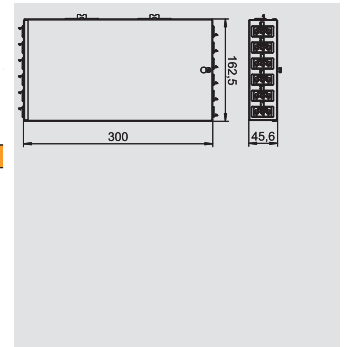
**St** Steel /pc.

Energy distributor for heavy current technology with plug connection, equipped and pre-wired.

Input: Two 3-phase circuits using self-locking connectors, 5 -pin, type GST18i (connector part).

Output: Twelve self-locking connectors, 3-pin, in white (6x) and black (6x), 16 A, type GST18i (socket part: 2 x L1, 2 x L2, 2 x L3 for each rotary current circuit).

Internal wiring: PVC non-sheathed cable H07V-U2.5.



## UVS energy distributor, with 3-pin plug connection, 6x 3-pin output sockets in black

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6S2SA1P</b>	1	79.000	<b>6108 01 3</b>

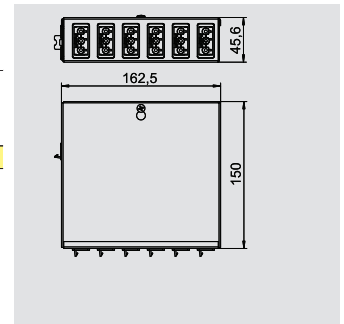
**St** Steel **FS** Strip-galvanised /pc.

Energy distributor for heavy current technology with plug connection, equipped and pre-wired.

Input: one single-phase circuit using a self-locking connector, 3-pin, Type GST18i (connector part).

Output: Six self-locking connectors, 3-pin, in black, 16 A, Type GST18i

Internal wiring: PVC non-sheathed cable H07V-U2.5.



## UVS energy distributor, with 3-pin plug connection, 6x 3-pin output sockets in white

Type	Pack.	Weight	Item No.
	pcs	kg/100 pcs.	
<b>UVS-6W2SA1P</b>	1	79.000	<b>6108 01 5</b>

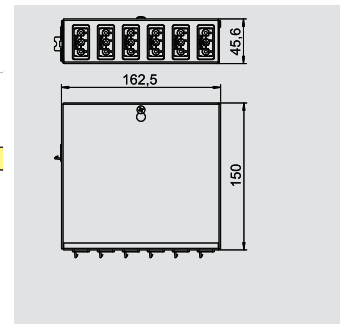
**St** Steel **FS** Strip-galvanised /pc.

Energy distributor for heavy current technology with plug connection, equipped and pre-wired.

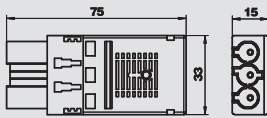
Input: one single-phase circuit using a self-locking connector, 3-pin, Type GST18i (connector part).

Output: Six self-locking connectors, 3-pin, in white, 16 A, Type GST18i

Internal wiring: PVC non-sheathed cable H07V-U2.5.



Connector part 3-pin, spring power connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
ST-F GST18i3p SW	Black	5	2.600	6108 05 0
ST-F GST18i3p W	White	5	2.620	6108 05 1



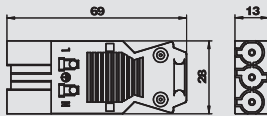
Connector part, 3-pin, type GST18i with spring power connection for rigid cables of 1.5–2.5 mm<sup>2</sup>, single-wire and ultrasonically welded, fine wire cables 1.5 mm<sup>2</sup> with end sleeves, unmounted with strain relief, can be terminated in situ, 250 V, 16 A.

Two connections per pole, for cables H05VV, NYM (Ø 7.8–10.33 mm), lockable, a lock should be provided for strain relief according to VDE 0628.

Stripping length: 45 mm  
Stripped length: 9 mm

/pc.

Connector part, 3-pin, screw connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
ST-S GST18i3p SW	Black	5	2.030	6108 05 4
ST-S GST18i3p W	White	5	2.030	6108 05 5

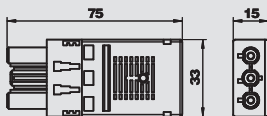


Connector part, 3-pin, type GST18i with screw connection, low height (no slot loss in combination with distributor blocks), for cross-sections of 0.75–2.5 mm<sup>2</sup>, single- and fine-wire cables connectable without end sleeve, for cable diameters between 6.5–10.5 mm (H05VV, NYM), unmounted with strain relief, terminable in situ, 250 V, 16 A.

Stripping length: 31 mm  
Insulation removal length: 7 mm

/pc.

Socket section 3-pin, spring power connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
BT-F GST18i3p SW	Black	5	2.620	6108 05 2
BT-F GST18i3p W	White	5	2.690	6108 05 3



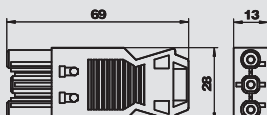
Socket part, 3-pin, type GST18i with spring power connection for rigid cables of 1.5–2.5 mm<sup>2</sup>, single-wire and ultrasonically welded, fine wire cables 1.5 mm<sup>2</sup> with end sleeves, unmounted with strain relief, can be terminated in situ, 250 V, 16 A.

Two connections per pole, for cables H05VV, NYM (Ø 7.8–10.33 mm), lockable, a lock should be provided for strain relief according to VDE 0628.

Stripping length: 45 mm  
Stripped length: 9 mm

/pc.

Socket section 3-pin, screw connection



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
BT-S GST18i3p SW	Black	5	2.150	6108 05 6
BT-S GST18i3p W	White	5	2.150	6108 05 7

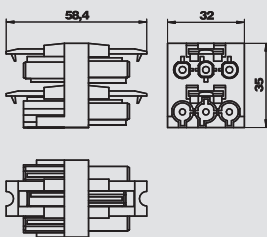


Socket part, 3-pin, type GST18i with screw connection, low height (no slot loss in combination with distributor blocks), for cross-sections of 0.75–2.5 mm<sup>2</sup>, single- and fine-wire cables connectable without end sleeve, for cable diameters between 6.5–10.5 mm (H05VV, NYM), unmounted with strain relief, terminable in situ, 250 V, 16 A.

Stripping length: 31 mm  
Insulation removal length: 7 mm

/pc.

Distributor block 3-pole, 1E/3A



Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
VB-3 GST18i3p	Black	5	3.590	6108 08 0



Distributor block with lock, type GST18i, one input with plug section 3-pin and three outputs with socket section 3-pin.

/pc.

## Installation accessories

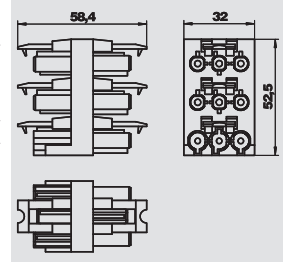


### Distributor block 3-pole, 1E/5A

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VB-5 GST18i3p</b>	<b>Black</b>	5	5.590	<b>6108 08 2</b>

/pc.

Distributor block with lock, type GST18i, one input with plug section 3-pin and five outputs with socket section 3-pin.

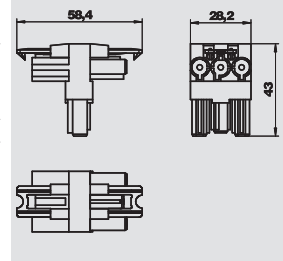


### Distributor block, 3-pole, T shaped

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>VB-T GST18i3p</b>	<b>Black</b>	5	2.540	<b>6108 08 4</b>

/pc.

T distributor with lock, type GST18i, one input with 3-pin connector part and two outputs with 3-pin socket part.



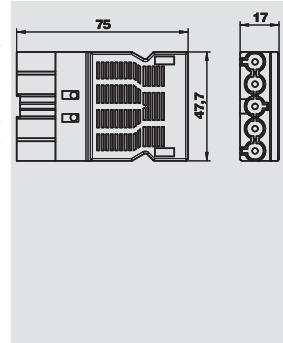
### Connector part, 5-pin, screw connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>ST-S GST18i5p SW</b>	<b>Black</b>	5	4.330	<b>6108 07 0</b>

/pc.

Connector part, 5-pin, type GST18i, with screw connection for 1.5–2.5 mm<sup>2</sup> cables, single and fine-wire, with strain relief, one connection per pin, unmounted, for cables H05VV (Ø 9.5–13.5) NYM and (Ø 10.5–13.5 mm), lockable, according to the strain relief in VDE 0628 a lock should be planned, 250 V, 16 A.

Stripping length: 8 mm  
Jacket removal length: 46 mm



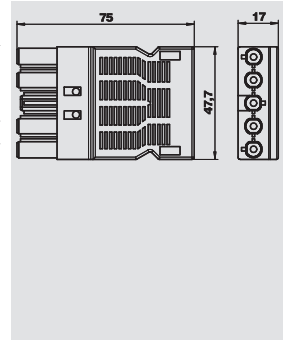
### Socket section 5-pin, screw connection

Type	Colour	Pack.	Weight	Item No.
		pcs	kg/100 pcs.	
<b>BT-S GST18i5p SW</b>	<b>Black</b>	5	4.550	<b>6108 07 2</b>

/pc.

Socket part, 5-pin, type GST18i, with screw connection for 1.5 to 2.5 mm<sup>2</sup> cables, single and fine-wire, with strain relief, one connection per pin, unmounted, for cables H05VV (Ø 9.5 – 13.5) NYM and (Ø 10.5 to 13.5 mm), lockable, according to the strain relief in VDE 0628 a lock should be planned, 250 V, 16 A.

Stripping length: 8 mm  
Jacket removal length: 46 mm







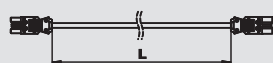
**3-wire connection cable, PVC, cross-section 1.5 mm<sup>2</sup>, black**

Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q1.5 1 SW	1000	1.5	3	Black	1	14.000	6108 10 0
VL-3Q1.5 2 SW	2000	1.5	3	Black	1	28.000	6108 10 1
VL-3Q1.5 3 SW	3000	1.5	3	Black	1	42.000	6108 10 2
VL-3Q1.5 4 SW	4000	1.5	3	Black	1	56.000	6108 10 3
VL-3Q1.5 5 SW	5000	1.5	3	Black	1	70.000	6108 10 4
VL-3Q1.5 6 SW	6000	1.5	3	Black	1	84.000	6108 10 5
VL-3Q1.5 7 SW	7000	1.5	3	Black	1	98.000	6108 10 6
VL-3Q1.5 8 SW	8000	1.5	3	Black	1	112.000	6108 10 7
VL-3Q1.5 9 SW	9000	1.5	3	Black	1	126.000	6108 10 8
VL-3Q1.5 10 SW	10000	1.5	3	Black	1	140.000	6108 10 9
VL-3Q1.5 11 SW	11000	1.5	3	Black	1	154.000	6108 11 0
VL-3Q1.5 12 SW	12000	1.5	3	Black	1	168.000	6108 11 1
VL-3Q1.5 13 SW	13000	1.5	3	Black	1	182.000	6108 11 2
VL-3Q1.5 14 SW	14000	1.5	3	Black	1	196.000	6108 11 3
VL-3Q1.5 15 SW	15000	1.5	3	Black	1	210.000	6108 11 4



/pc.

Connection cable 3 x 1.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.



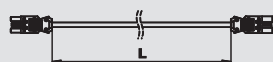
**3-wire connection cable, PVC, cross-section 1.5 mm<sup>2</sup>, white**

Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q1.5 1 W	1000	1.5	3	White	1	14.000	6108 12 5
VL-3Q1.5 2 W	2000	1.5	3	White	1	28.000	6108 12 6
VL-3Q1.5 3 W	3000	1.5	3	White	1	42.000	6108 12 7
VL-3Q1.5 4 W	4000	1.5	3	White	1	56.000	6108 12 8
VL-3Q1.5 5 W	5000	1.5	3	White	1	70.000	6108 12 9
VL-3Q1.5 6 W	6000	1.5	3	White	1	84.000	6108 13 0
VL-3Q1.5 7 W	7000	1.5	3	White	1	98.000	6108 13 1
VL-3Q1.5 8 W	8000	1.5	3	White	1	112.000	6108 13 2
VL-3Q1.5 9 W	9000	1.5	3	White	1	126.000	6108 13 3
VL-3Q1.5 10 W	10000	1.5	3	White	1	140.000	6108 13 4
VL-3Q1.5 11 W	11000	1.5	3	White	1	154.000	6108 13 5
VL-3Q1.5 12 W	12000	1.5	3	White	1	168.000	6108 13 6
VL-3Q1.5 13 W	13000	1.5	3	White	1	182.000	6108 13 7
VL-3Q1.5 14 W	14000	1.5	3	White	1	196.000	6108 13 8
VL-3Q1.5 15 W	15000	1.5	3	White	1	210.000	6108 13 9



/pc.

Connection cable 3 x 1.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.



**3-wire connection cable, PVC, cross-section 2.5 mm<sup>2</sup>, black**

Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q2.5 1 SW	1000	2.5	3	Black	1	18.000	6108 15 0
VL-3Q2.5 2 SW	2000	2.5	3	Black	1	36.000	6108 15 1
VL-3Q2.5 3 SW	3000	2.5	3	Black	1	54.000	6108 15 2
VL-3Q2.5 4 SW	4000	2.5	3	Black	1	72.000	6108 15 3
VL-3Q2.5 5 SW	5000	2.5	3	Black	1	90.000	6108 15 4
VL-3Q2.5 6 SW	6000	2.5	3	Black	1	108.000	6108 15 5
VL-3Q2.5 7 SW	7000	2.5	3	Black	1	126.000	6108 15 6
VL-3Q2.5 8 SW	8000	2.5	3	Black	1	144.000	6108 15 7
VL-3Q2.5 9 SW	9000	2.5	3	Black	1	162.000	6108 15 8
VL-3Q2.5 10 SW	10000	2.5	3	Black	1	180.000	6108 15 9
VL-3Q2.5 11 SW	11000	2.5	3	Black	1	198.000	6108 16 0
VL-3Q2.5 12 SW	12000	2.5	3	Black	1	216.000	6108 16 1
VL-3Q2.5 13 SW	13000	2.5	3	Black	1	234.000	6108 16 2
VL-3Q2.5 14 SW	14000	2.5	3	Black	1	252.000	6108 16 3
VL-3Q2.5 15 SW	15000	2.5	3	Black	1	270.000	6108 16 4



/pc.

Connection cable 3 x 2.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.

## Connection cables

### 3-wire connection cable, PVC, cross-section 2.5 mm<sup>2</sup>, white



Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q2.5 1 W	1000	2.5	3	White	1	18.000	6108 17 5
VL-3Q2.5 2 W	2000	2.5	3	White	1	36.000	6108 17 6
VL-3Q2.5 3 W	3000	2.5	3	White	1	54.000	6108 17 7
VL-3Q2.5 4 W	4000	2.5	3	White	1	72.000	6108 17 8
VL-3Q2.5 5 W	5000	2.5	3	White	1	90.000	6108 17 9
VL-3Q2.5 6 W	6000	2.5	3	White	1	108.000	6108 18 0
VL-3Q2.5 7 W	7000	2.5	3	White	1	126.000	6108 18 1
VL-3Q2.5 8 W	8000	2.5	3	White	1	144.000	6108 18 2
VL-3Q2.5 9 W	9000	2.5	3	White	1	162.000	6108 18 3
VL-3Q2.5 10 W	10000	2.5	3	White	1	180.000	6108 18 4
VL-3Q2.5 11 W	11000	2.5	3	White	1	198.000	6108 18 5
VL-3Q2.5 12 W	12000	2.5	3	White	1	216.000	6108 18 6
VL-3Q2.5 13 W	13000	2.5	3	White	1	234.000	6108 18 7
VL-3Q2.5 14 W	14000	2.5	3	White	1	252.000	6108 18 8
VL-3Q2.5 15 W	15000	2.5	3	White	1	270.000	6108 18 9

/pc.

Connection cable 3 x 2.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.



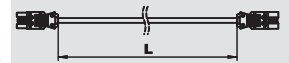
### 3-wire connection cable, halogen-free, cross-section 2.5 mm<sup>2</sup>, black



Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q2.5 H1 SW	1000	2.5	3	Black	1	16.000	6108 45 0
VL-3Q2.5 H2 SW	2000	2.5	3	Black	1	32.000	6108 45 1
VL-3Q2.5 H3 SW	3000	2.5	3	Black	1	48.000	6108 45 2
VL-3Q2.5 H4 SW	4000	2.5	3	Black	1	64.000	6108 45 3
VL-3Q2.5 H5 SW	5000	2.5	3	Black	1	80.000	6108 45 4
VL-3Q2.5 H6 SW	6000	2.5	3	Black	1	96.000	6108 45 5
VL-3Q2.5 H7 SW	7000	2.5	3	Black	1	112.000	6108 45 6
VL-3Q2.5 H8 SW	8000	2.5	3	Black	1	128.000	6108 45 7
VL-3Q2.5 H9 SW	9000	2.5	3	Black	1	144.000	6108 45 8
VL-3Q2.5 H10 SW	10000	2.5	3	Black	1	160.000	6108 45 9
VL-3Q2.5 H11 SW	11000	2.5	3	Black	1	176.000	6108 46 0
VL-3Q2.5 H12 SW	12000	2.5	3	Black	1	192.000	6108 46 1
VL-3Q2.5 H13 SW	13000	2.5	3	Black	1	208.000	6108 46 2
VL-3Q2.5 H14 SW	14000	2.5	3	Black	1	224.000	6108 46 3
VL-3Q2.5 H15 SW	15000	2.5	3	Black	1	240.000	6108 46 4

/pc.

Halogen-free connection cables 3 x 2.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.



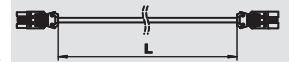
### 3-wire connection cable, halogen-free, cross-section 2.5 mm<sup>2</sup>, white

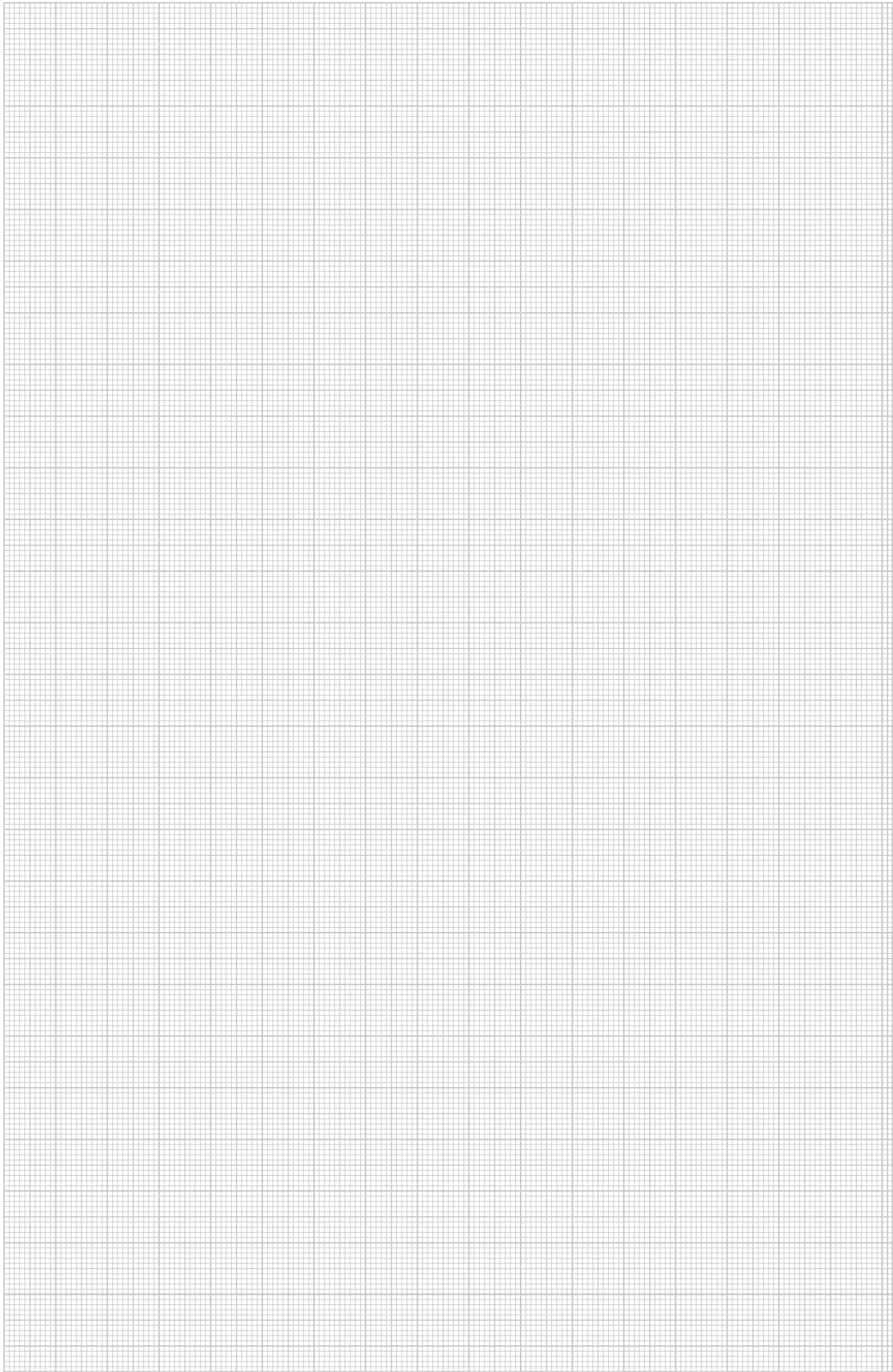


Type	Cable length mm	Cross-section mm <sup>2</sup>	Number of poles	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
VL-3Q2.5 H1 W	1000	2.5	3	White	1	16.000	6108 47 5
VL-3Q2.5 H2 W	2000	2.5	3	White	1	32.000	6108 47 6
VL-3Q2.5 H3 W	3000	2.5	3	White	1	48.000	6108 47 7
VL-3Q2.5 H4 W	4000	2.5	3	White	1	64.000	6108 47 8
VL-3Q2.5 H5 W	5000	2.5	3	White	1	80.000	6108 47 9
VL-3Q2.5 H6 W	6000	2.5	3	White	1	96.000	6108 48 0
VL-3Q2.5 H7 W	7000	2.5	3	White	1	112.000	6108 48 1
VL-3Q2.5 H8 W	8000	2.5	3	White	1	128.000	6108 48 2
VL-3Q2.5 H9 W	9000	2.5	3	White	1	144.000	6108 48 3
VL-3Q2.5 H10 W	10000	2.5	3	White	1	160.000	6108 48 4
VL-3Q2.5 H11 W	11000	2.5	3	White	1	176.000	6108 48 5
VL-3Q2.5 H12 W	12000	2.5	3	White	1	192.000	6108 48 6
VL-3Q2.5 H13 W	13000	2.5	3	White	1	208.000	6108 48 7
VL-3Q2.5 H14 W	14000	2.5	3	White	1	224.000	6108 48 8
VL-3Q2.5 H15 W	15000	2.5	3	White	1	240.000	6108 48 9

/pc.




Halogen-free connection cables 3 x 2.5 mm<sup>2</sup> in the version socket – connector with GST18i connection system.







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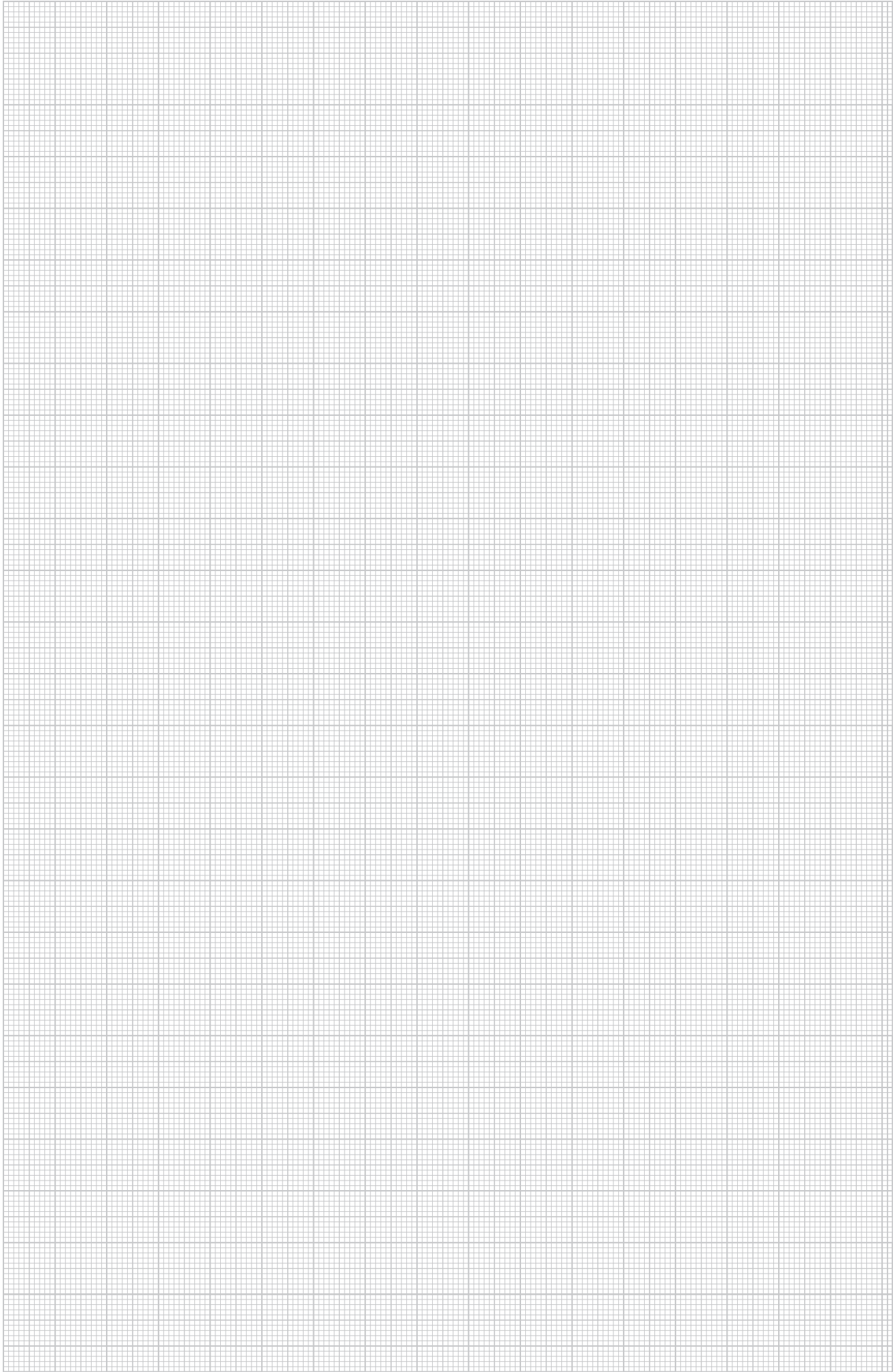
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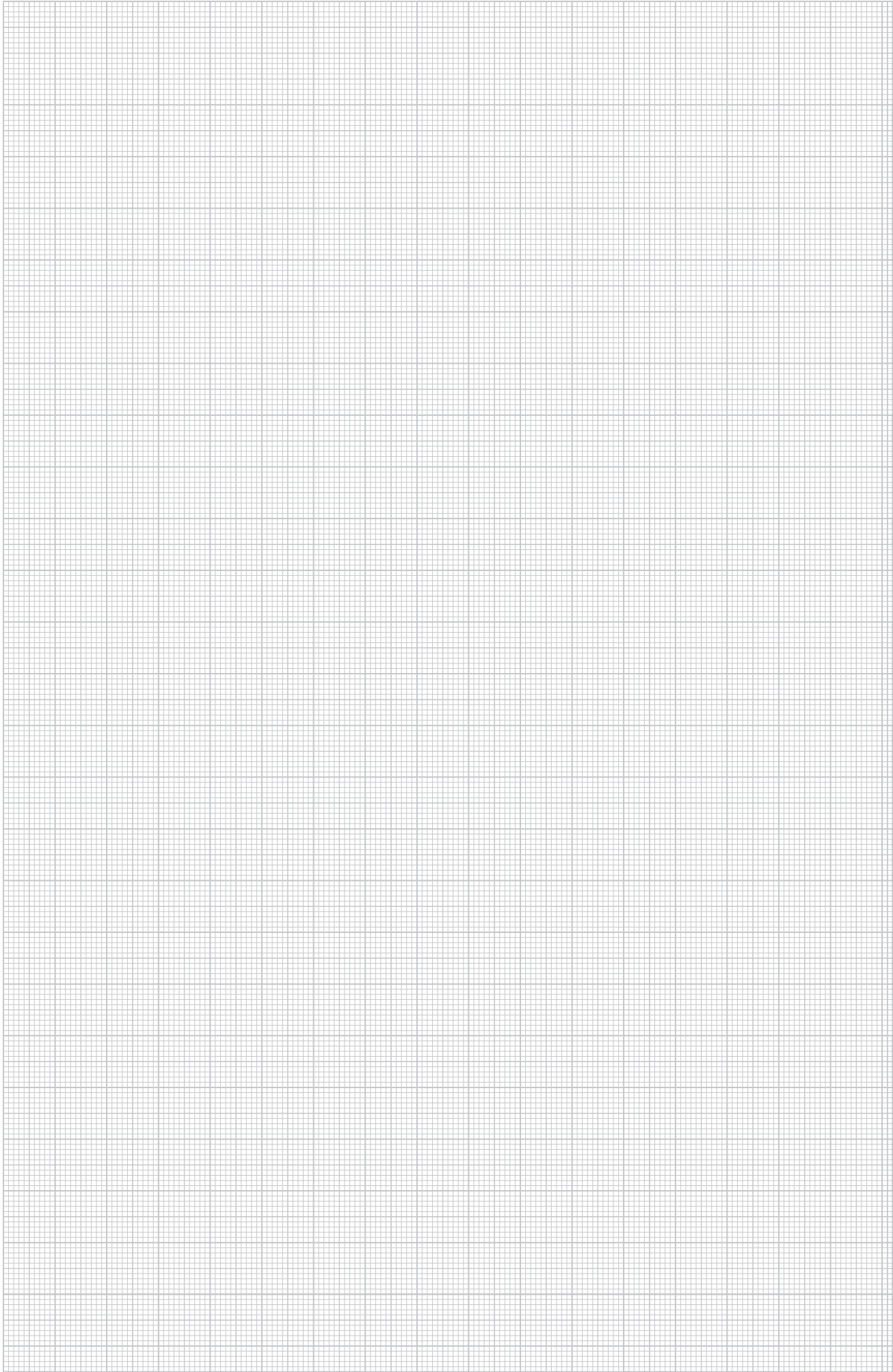
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# Type listing

Structure of the GTIN: Country code **40** Manufacturer code **1219** Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page	Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page
SKS-DS3 ROR2	Pure orange/ PC	5437932	6117 07 6	/pc.	100	ST-S GST18i5p SW	Black	5273707	6108 07 0	/pc.	208
SKS-DS3 ROR3	Pure orange/ PC	5670872	6119 85 2		100						
SKS-DS3 RW2	Pure white/ PC	5437925	6117 07 4		100						
SKS-DS3 RW3	Pure white/ PC	5670865	6119 85 0		100						
SKS-DS3 SRO2	Signal red/ PC	5437970	6117 08 0		100						
SKS-DS3 SRO3	Signal red/ PC	5670896	6119 85 6		100						
SKS-DS3 SWGR2	Black-grey/ PC	5700937	6117 08 1		100						
SKS-DS3 SWGR3	Black-grey/ PC	5670902	6119 85 8		100						
SKS-DS3KL AL22	Aluminium painted/ PC	5714064	6117 09 6		102						
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SKS-DS3KW AL22	Aluminium painted/ PC	5714101	6117 09 8		102						
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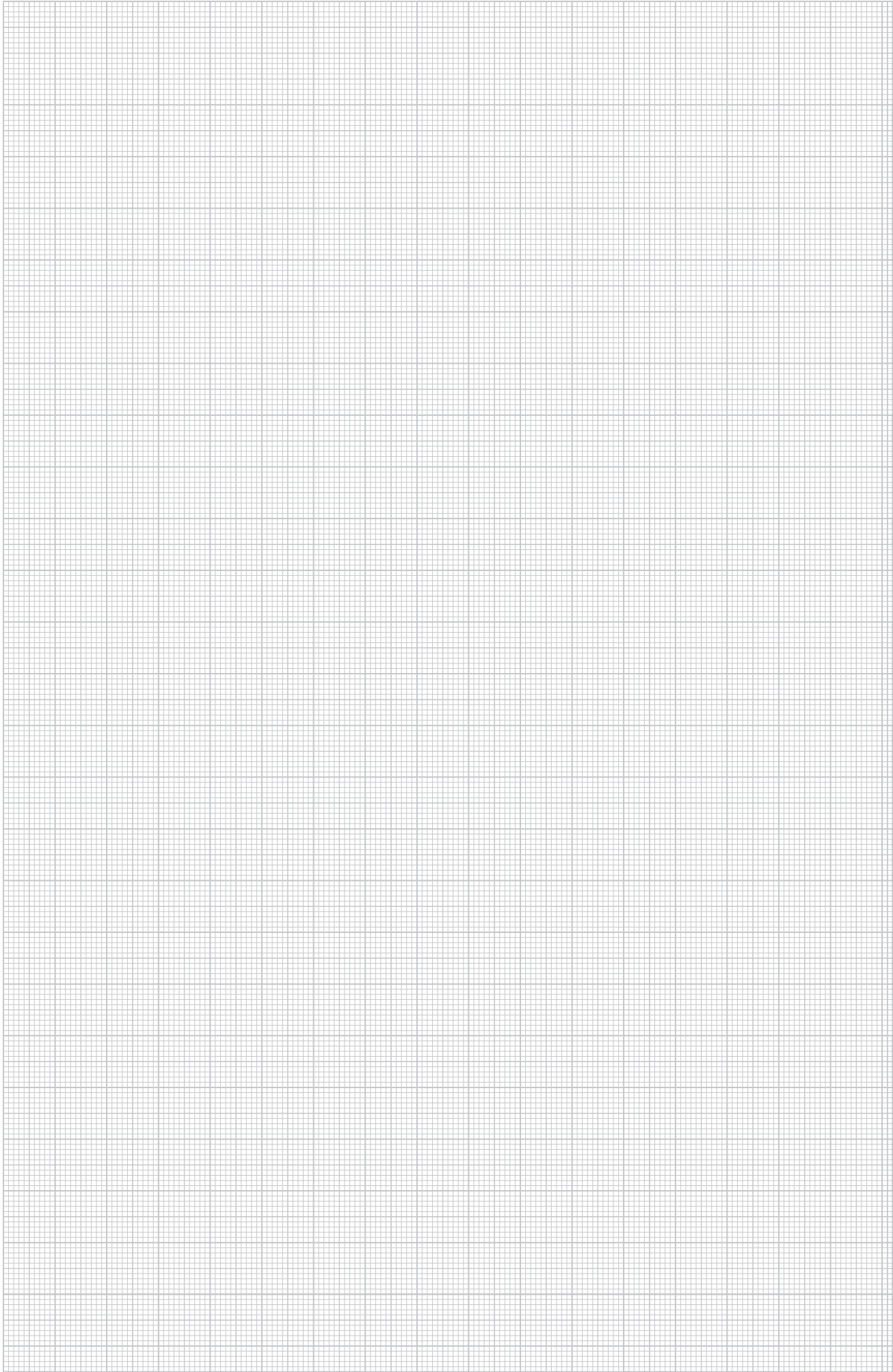
# Type listing

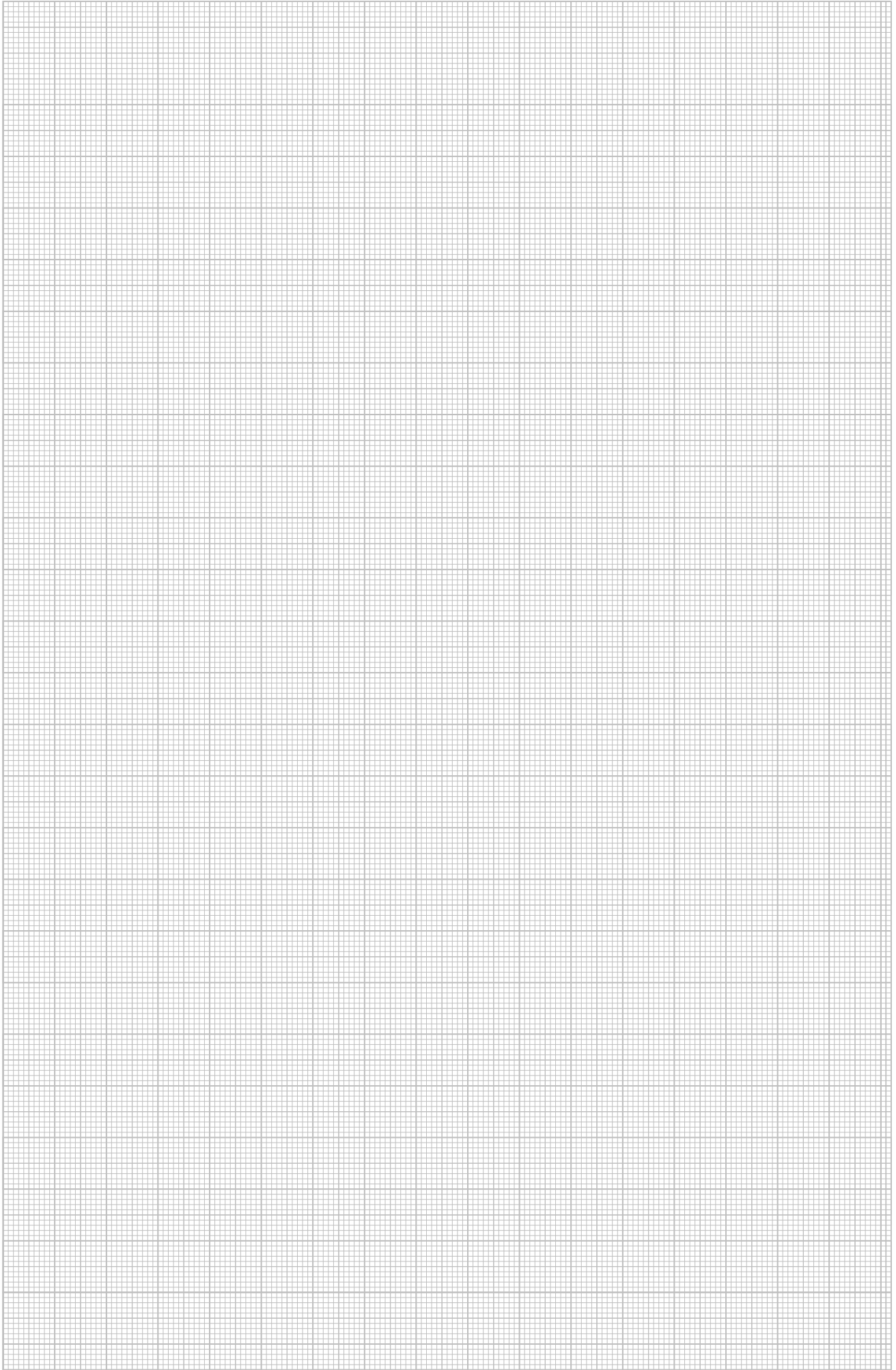
Structure of the GTIN: Country code **40**

Manufacturer code **1219**

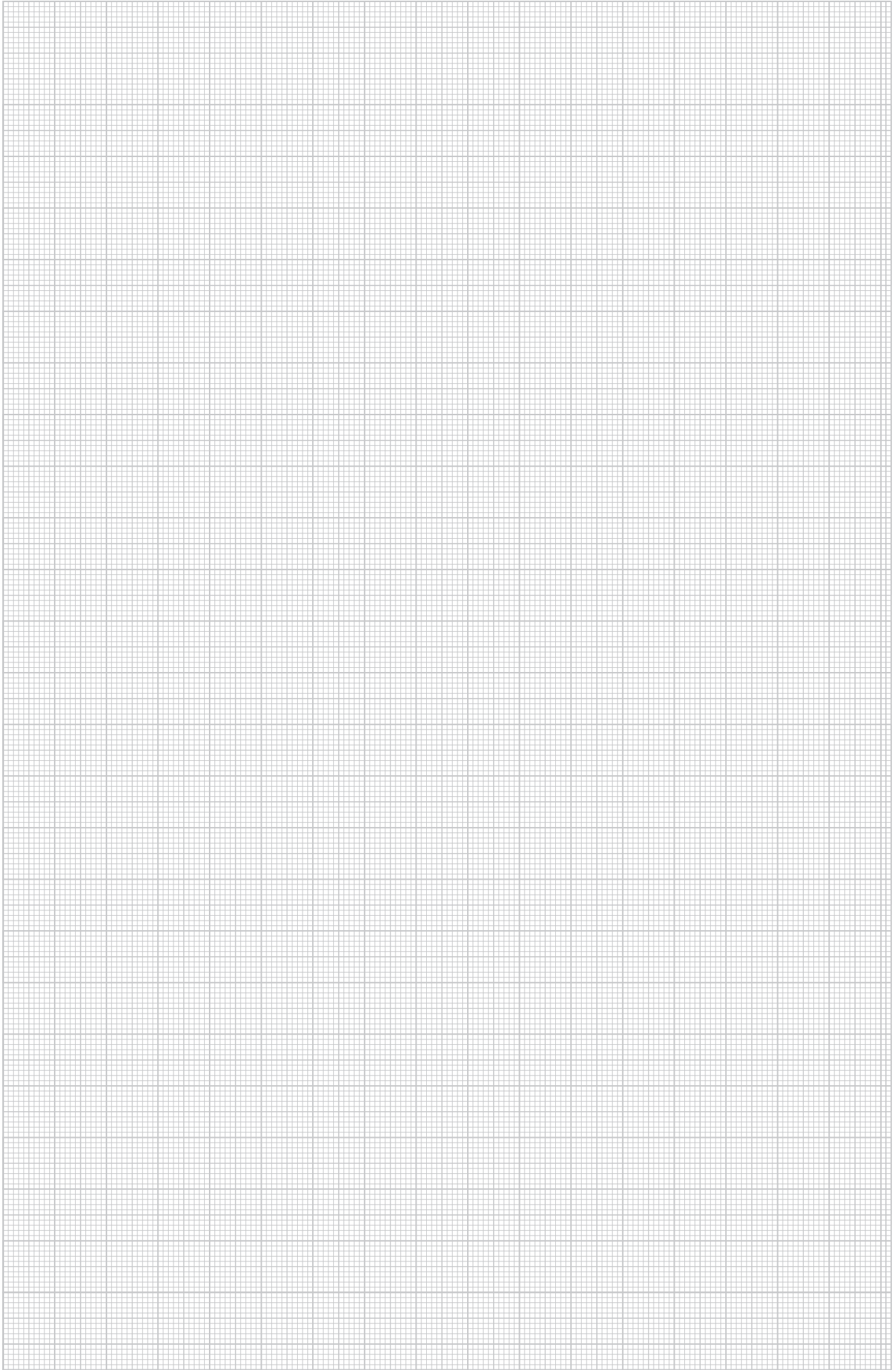
Individual GTIN **5647589**

Type	Dimensions/Colour/Div.	GTIN	Art. no.	Price	Page				
WG-UK5	/ St / FS	5125990	6109 95 6	/pc.	146				
WG-UK6	/ St / FS	5126003	6109 95 8		146				
WS-B AL0.5	Aluminium painted	5275756	6117 62 8		107				
WS-B AL1	Aluminium painted	5275862	6117 64 1		108				
WS-B RW0.5	Pure white	5275749	6117 62 7		107				
WS-B RW1	Pure white	5275824	6117 64 0		108				
WS-B SWGR0.5	Black-grey	5701033	6117 62 6		107				
WS-B SWGR1	Black-grey	5701071	6117 64 2		108				
WS-K AL0.5	Aluminium painted	5275800	6117 63 1		108				
WS-K RW0.5	Pure white	5275763	6117 63 0		108				
WS-K SWGR0.5	Black-grey	5701040	6117 62 9		108				
WS-NA AL0.5	Aluminium painted	5285953	6117 63 6		107				
WS-NA RW0.5	Pure white	5275817	6117 63 4		107				
WS-NA SWGR0.5	Black-grey	5701057	6117 63 3		107				
ZL-SKS	Cream	6180196	6117 20 5		96				
ZL-SKS	Cream	6180196	6117 20 5		101				
ZU-A AL1	Aluminium painted	5443681	6117 35 4		109				
ZU-A RW1	Pure white	5443674	6117 35 2		109				
ZU-A SWGR1	Black-grey	5701217	6117 35 6		109				









**Terms and conditions of sale and delivery**  
**of OBO BETTERMANN GmbH & Co. KG, OBO BETTERMANN Projekt und Systemtechnik GmbH**  
**and OBO Befestigungselemente GmbH, Menden.**

1. All our supplies and services shall be governed exclusively by the following terms and conditions, including our additional terms and conditions for cable tray business transactions. Any terms and conditions of business and purchasing of the customer shall be valid only if we have acknowledged them in writing. Our quotations are without engagement; they are mere invitations to submit contract offers. Any and all transactions and agreements, including those entered into by our employees and agents shall only be binding upon our written confirmation or invoicing. The foregoing provision shall also apply to any modifications of the agreed formal requirements.

2. The documents and data pertaining to the quotation, such as illustrations, brochures, drawings, dimensions, loading capacity values and weight details are approximate only, unless they are expressly stipulated to be binding. Samples are non-binding samples for inspection. Any purchase according to sample will be subject to customary deviations and deviations resulting from normal production processes. The properties of the sample shall be no guaranteed quality of the purchase object unless expressly stated otherwise in the confirmation of order. Samples must be returned to us at the latest within four weeks in perfect condition. If they are not returned within this period in proper condition, we shall be entitled to charge the purchase price for the sample in accordance with our current price list. All information on our products, in particular the illustrations, drawings, weight, dimension and performance data included in our quotations and printed matter shall be regarded as approximate average values and shall not represent any quality guarantee.

With regard to products made according to customer drawings, samples and other instructions of the customer, we will not provide any warranty nor assume any liability for the due and proper functioning of the product or for any other defects if and to the extent they are based upon the customer's specifications. The customer shall indemnify us from any third party claims, including claims for product liability as may be asserted against us for damages resulting from the products unless we have caused such damages by intent or gross negligence. The customer shall warrant that the manufacture and supply of products made in accordance with his instructions will not infringe any proprietary rights of third parties. Should any proprietary rights be asserted against us, we shall be entitled, without any legal review of the third party claims, to withdraw from the contract after hearing the customer, unless the third party withdraws the claims asserted against us under its proprietary rights within eight days by written declaration. The customer shall compensate us for any damage sustained as a result of the assertion of proprietary rights. In case of withdrawal, the work we have carried out so far shall be remunerated. Further rights under the statutory provisions shall not be affected thereby.

Any moulds, tools and design data produced by us for the execution of the order shall be our exclusive property. Unless expressly agreed otherwise, the customer shall not have any claims thereto, even if he has contributed to the costs of producing any such moulds, tools and design data.

3. The packing, shipping route and means of transportation shall be left to our discretion in the absence of any other agreements. They shall be charged at their cost price. We will take back undamaged cases, when being returned carriage paid, at 2/3 of the amount invoiced. The one-way or pool pallets used for transport shall be either exchanged upon taking delivery or returned. The smallest packing units stocked and listed may not be broken up for rationalisation reasons. In case of orders for different quantities, the nearest packing unit will be supplied. We reserve the right to deviate from the agreed delivery quantity, in particular in the case of custom-made products, to a customary extent or in conformity with national or international standards. In case of a demand for adhering to a precise quantity, an express reference is necessary and subject to confirmation.

Master and call orders shall oblige the customer to accept the total quantity on which the master/call order is based. Where no particular call orders are specified in the contract, the total quantity of the master/call order must be called within twelve months. If the customer fails to adhere to call deadlines, we shall be entitled to deliver and charge the total quantity in full after four weeks from written notice with reference to the consequences of any failure to call. Our rights arising from any default of the customer shall not be affected thereby.

4. Unless otherwise agreed, our prices are quoted ex works and do not include packing and insurance. The value added tax at the rate applicable on the date of dispatch will be added to our prices. The purchaser shall ensure the correctness of his VAT identification number, which he must notify to us immediately without being asked. He shall undertake to inform both us and the competent domestic tax authority without delay of any change in his name, address and VAT identification number.

Delivery shall be franco domicile within Germany, i.e. carriage and packing prepaid, if the net order value is in excess of € 1,200. For small orders below € 100 (net excluding value added tax), we shall invoice a lower quantity surcharge of € 10 (net) per order. Upon transfer of our supplies and services to a carrier or forwarding agent, at the latest upon their leaving our warehouse or supply plant, the risk shall pass to the recipient, even in case of deliveries free place of destination.

5. Delivery periods and delivery deadlines shall be approximate only unless we have expressly stated in writing that they are binding. Delivery periods shall commence upon receipt of our confirmation of order, but not before clarification of all execution details, ex place of delivery. The customer shall only be entitled to withdraw from the contract after having granted a reasonable extension of time. We reserve the right to make partial deliveries. Claims for damages and reimbursement of expenses - for any reason whatsoever - shall be subject to the provisions set out in article 10.

In the event of any circumstances that are beyond our control within the scope of normal operating risks and obstruct or make impracticable any delivery, we shall be entitled to suspend delivery by the duration of such obstruction plus a reasonable start-up period or to withdraw from the contract for the part not yet fulfilled. The purchaser can demand a statement from us as to whether we wish to deliver within a reasonable period or withdraw. If we fail to make such a statement, the purchaser may withdraw. Our notice to the purchaser shall be deemed to be sufficient evidence that we have been prevented from delivering.

Delivery time is extended in case of such events as labour disputes, strikes and lockouts, orders from the authorities, difficulties with the procurement of materials, spoiled work or post-processing, shutdowns and staff shortage as well as shortage of means of transport, and general occurrence of unforeseen events beyond our scope of influence, by the length of duration of these events.

6. Payments shall be made upon receipt of invoice less a 3% cash discount for payment within 10 days or net after 30 days from date of invoice. Erection work and all paid labour work must be paid within 10 days without deduction of any cash discount. In case of non-cash payments, the date of the credit note will be deemed to be the date of receipt of payment. Payments received shall always be credited first against costs, then against interest and then against the earliest liability. Cheques and bills of exchange shall only be accepted as means of payment.

Any payment by bill of exchange shall be subject to a prior separate and written agreement, whereby all bill costs shall be borne by the customer and no discount can be granted. The customer shall have no right to refuse performance and no right of retention - for any legal reason whatsoever - unless we have acknowledged his claim beforehand in writing or his claim has the force of law.

The customer shall only be entitled to set off claims which have the force of law, are undisputed or acknowledged by us in writing.

7. We shall retain title to the goods supplied by us until all our claims arising from our business transactions with the customer have been satisfied - current account clause - and all bills of exchange or cheques submitted for payment by the customer have been honoured.

Any treatment or processing of goods subject to our retention of title (reserved goods) shall be carried out for us as the manufacturer in accordance with § 950 BGB (German Civil Code) without any obligation on our part. If our reserved goods are to be regarded as the main item or the main item is owned by the customer, full title to the new item shall pass to us when it is created. In other cases, we shall acquire a co-ownership interest in the new item in the proportion of the sales value of our reserved goods to the other goods used for the new item at the time of processing, intermingling, joining or mixing. The customer shall take custody of our ownership or co-ownership interest free of charge; it shall be treated as reserved goods.

Before transfer of title, our goods shall be neither pledged nor assigned as collateral without our prior consent. In addition, any third party rights or pledges shall be notified to us immediately and we shall be given all details and provided all documents necessary for intervention; otherwise the customer must bear our loss. In the latter case, our total claims against the customer shall also be immediately payable.

The customer shall be entitled to sell or to use our reserved goods in the ordinary course of business subject to the condition that the relevant claims are transferred in accordance with article 8 below. This right shall lapse upon the customer's failure to promptly meet his payment obligations towards us or in the event of any cheque or bill protests or his suspension of payments. In such cases, we shall be entitled to take back the goods provisionally at the customer's expense and to sell them at our duly exercised discretion after a corresponding reminder has been sent

to the customer. We will then pass the due amount to the customer's credit.

8. If our goods are sold before payment of our claim, the customer shall be obliged to retain our title against his purchaser until the goods have been paid for in full by the purchaser. The claim arising against the purchaser from such resale as well as any other ancillary rights or security interests of the customer resulting from the sale and any claims for compensation in case of damage to or destruction of our reserved property, including the relevant insurance sum shall hereby be assigned to us. We hereby accept this assignment. Where our co-ownership interest is sold, the relevant claims shall be assigned in the amount corresponding to the value of our interest. The customer shall, at our request, inform us of his purchasers, notify them of the assignment made and provide us with any and all documents required to assert our rights.

As long as the customer meets his contractual obligations without delay, he shall be authorised to collect the claims assigned. He shall keep the amounts collected on our behalf separately and remit them to us immediately as soon and as far as our claims become due. The authorisation shall lapse in case of any cheque or bill protest of the customer or his definite suspension of payments. The customer shall bear the costs incurred for any action taken against third parties and shall advance them upon request.

If the security provided to us by the retention of title and the anticipatory assignment should exceed the claims to be secured by more than 20%, we shall, at the customer's request, release paid supplies of our choice. Upon payment of all our claims by the customer, assigned claims shall pass to the customer.

9. Any complaints for obvious defects regarding the quantity or quality of our supplies and services that are identifiable upon careful inspection shall without delay, but at the latest within the period of limitation of eight days from arrival of the goods at the address of the customer or the person appointed by him, be notified in writing to us, not to our representatives. Slight deviations in dimensions and designs within the scope of defined technical tolerances shall not give rise to any right of complaint. Any rejected goods may only be returned to us with our prior written authorisation.

In case of justified complaints within the prescribed period, we shall, at our option, take remedial action by way of subsequent performance, by rectifying the defect, supplying non-defective goods or providing a credit note for the lower value calculated.

We shall be entitled to refuse subsequent performance in accordance with the statutory provisions. If we refuse subsequent performance, if any subsequent performance remains unsuccessful or if the customer cannot be reasonably expected to accept any subsequent performance, the latter shall be entitled to withdraw from the contract in compliance with the provisions of the following sentences. The customer shall only be entitled to withdraw from the contract - where a withdrawal is not excluded by law - upon the unsuccessful expiry of a reasonable period for subsequent performance set by him, unless this period was not required under the statutory provisions (§§ 281 para. 2, 323 para. 2, 440, 441 para. 1 BGB (German Civil Code)).

In case of his withdrawal, the customer shall be liable for any deterioration, destruction or loss of use resulting from any negligence or intent on his part. Any claims for damages or reimbursement of expenses of the customer shall be subject to the provisions set out in article 10.

In the case of any fraudulent concealment of a defect or in the case of any provision of a quality guarantee for the goods sold at the time of the passing of risk within the meaning of § 444 BGB (German Civil Code) (seller's declaration that the object sold has a specific property at the time of the passing of risk and that the seller, regardless of any fault on his part, intends to be answerable for any and all consequences resulting from its absence), the customer's rights shall be exclusively governed by the statutory provisions.

We shall - in addition to the statutory grounds for refusal - also be entitled to refuse subsequent performance if and as long as the customer fails to send us, at our request, the rejected goods or a sample thereof; the customer shall have no right of withdrawal for any such refusal. We may further refuse any subsequent performance if the goods concerned have been altered or modified without our consent unless the customer can prove that the defect was not caused by such alteration or modification.

The limitation period for any claims arising from defects shall be one year; in the case of goods which have been used in accordance with their intended purpose for a building and have caused its defectiveness, the limitation period shall be two years. The provisions of §§ 478, 479 BGB (German Civil Code) on recourse in the chain of suppliers shall not be affected thereby.

10. In the case of a pre-contractual, contractual or non-contractual breach of duty, including unsatisfactory delivery, tortious conduct and producer's liability, we shall only be liable for compensatory damages and reimbursement of expenses - subject to further contractual or statutory liability requirements - in the case of intent, gross negligence or slightly negligent breach of a material contractual duty (contractual duty the infringement of which jeopardises the fulfilment of the object of the contract). However - except in the case of intent - our liability shall be limited to the typical contractual damage that was foreseeable at the time the contract was entered into.

The purchaser shall not be permitted to make a claim for expenses incurred in vain.

Except for any breach of material duties, our liability for slight negligence shall be excluded, but in any case be limited to the amount of the purchase price.

Any claim asserted by the customer or a third party for payment of a contractual penalty shall be excluded.

With regard to damages caused by delay, we shall only be liable for slight negligence up to the amount of 5% of the purchase price agreed with us.

The exclusions and limitations of liability set forth above shall not apply in the event that a guarantee is given with respect to the quality of the object sold within the meaning of § 444 BGB (German Civil Code) if a defect is fraudulently concealed or in the event of injury to life, physical injury or injury to health, or strict liability under the German Product Liability Act.

Any and all claims for damages against us, for any legal reason whatsoever, shall become statute-barred at the latest after one year from delivery of the goods to the customer, in the case of tortious liability from the time of knowledge, or grossly negligent ignorance, of the circumstances giving rise to the claim and the person liable to pay damages. This provision shall not apply in the case of liability for intent and in the event that a guarantee is given for the quality of the object sold, in the case of fraudulent concealment of a defect or in the event of injury to life, physical injury or injury to health, or strict liability under the German Product Liability Act. Any shorter limitation periods shall take precedence.

11. We shall be entitled to process and store any customer data obtained with regard to or in connection with the business relationship in accordance with the German Federal Data Protection Act, irrespective of whether such data is provided by the purchaser himself or by any third parties.

12. Place of performance for delivery and payment is Menden/Sauerland. The court of competent jurisdiction for any and all disputes, including disputes with regard to bills of exchange and cheques, is the Local Court (Amtsgericht) of Menden or, at our option, the District Court (Landgericht) of Arnsberg, irrespective of the value of the object in dispute. We shall, however, also be entitled to take legal proceedings against the customer at the place of his registered office.

German law shall be exclusively applicable. The application of international purchase laws is hereby excluded. Should, for any reason whatsoever, individual provisions of our terms and conditions of sale and delivery be invalid, the validity and binding nature of the other provisions shall not be affected thereby. The customer agrees, that the invalid provision shall be replaced by a valid provision that comes as close as possible to the economic meaning of the invalid provision.

13. The prices of products made of brass and copper are subject to certain fluctuations that are based on the relevant DEL listings. The prices of our brass articles are based on a DEL listing of € 150 for Ms 58, those of our copper products on a DEL value for electrolyte copper of € 200.

In case of any increase or reduction in these prices by more than € 15, a five per cent surcharge or deduction shall be made for each 15 points. The calculation of any such surcharges or deductions shall be based on the DEL listing of the date of our receipt of the order.

Valid from January 2010



#### **QR-Code**

With the QR Code you have direct access to our products on the Internet.

You can find further information on the QR Code at [www.obo-bettermann.com](http://www.obo-bettermann.com).

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