

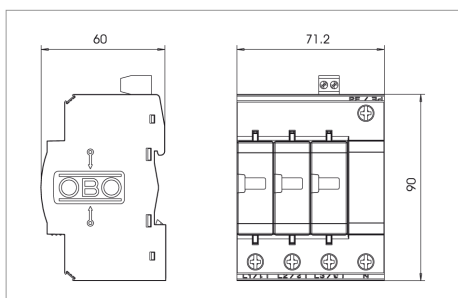
# Technical data sheet

## Lightning current and surge arrester, 3-pin + NPE with remote signalling



V 50-B+C/3+NPE+FS: combination arrester set, lightning and surge arrester type 1+2 to DIN EN 61643-11 (B+C to VDE 0675 part 6).

- For lightning current equipotential bonding to VDE 0185-305 (IEC 62305)
- Lightning current dissipation capacity 12.5 kA (10/350) per pole
- Universally suitable for TN and TT systems
- With new Multibase base with multiple connection terminals
- Complete unit, consisting of cover and base, pre-mounted and ready for connection
- arrester, connectable with dynamic cut-off unit
- With optical function display
- Voltage protection level • Encapsulated, non-extinguishing zinc oxide varistor arrester for use in distributor housing
- Labelled connections
- -FS variant with remote signalling contact (potential-free NO contact)



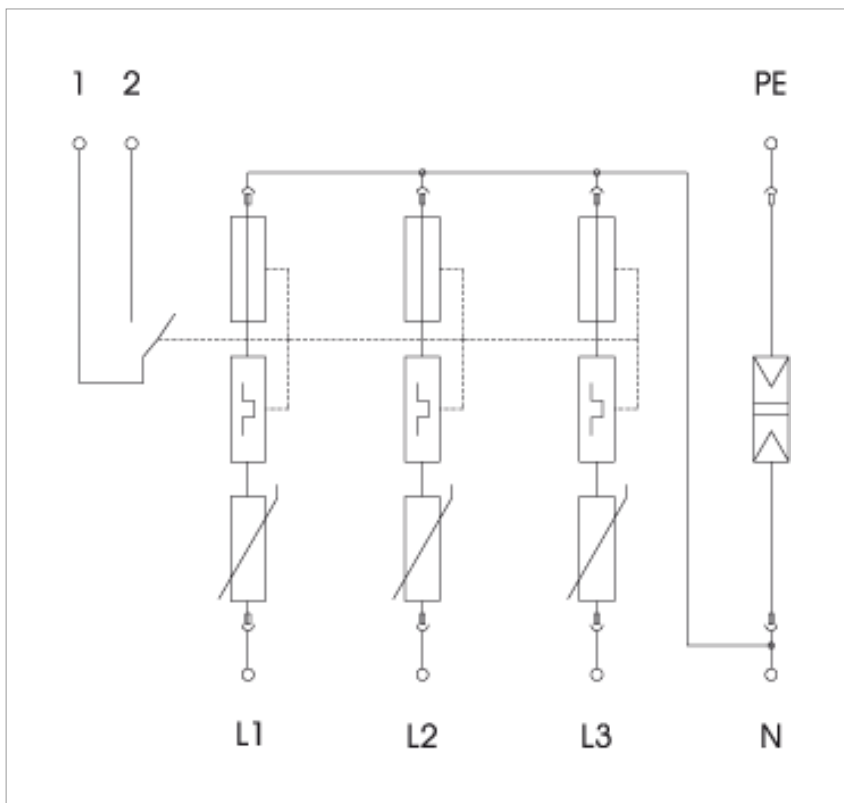
Application: lightning protection equipotential bonding in buildings which also have external lightning protection of Classes III and IV and in standard distributor housings.



Type	Maximum continuous voltage V	Version	Pack Units	Weight kg/100 pc.	Art.-No.
V50-B+C 1+NPE+FS	280	1+NPE with FS	1	26.100	5093661
V50-B+C 3+NPE+FS	280	3+NPE with FS	1	55.000	5093662

**G** /pc.

## Connection-/Circuit diagram



Article number			<b>5093661</b>	<b>5093662</b>
Nominal voltage	$U_N$	V	230	230
SPD to EN 61643-11			Type 1+2	Type 1+2
SPD to IEC 61643-1			class I+II	class I+II
LPZ			0?2	0?2
Lightning impulse current (10/350)	$I_{imp}$	kA	12,5	12,5
Lightning impulse current (10/350) [total]		kA	25	50
Nominal discharge surge current (8/20)	$I_n$	kA	30	30
Arrester surge current (8/20) [total]		kA	50	50
Maximum discharge current	$I_{max}$	kA	50	50
Voltage protection level	$U_p$	kV	< 1,3	< 1,3
Response time	$t_A$	ns	<25	<25
Maximum back-up fuse		A	125	125
Temperature range	?	°C	-40	-40
Division unit TE (17.5 mm)			2	4
Protection rating			IP 20	IP 20
Connection cross-section, rigid		mm <sup>2</sup>	2.5	2.5
Connection cross-section, multi-wire		mm <sup>2</sup>	2.5	2.5

## Connection-/Circuit diagram

Connection cross-section, flexible	mm <sup>2</sup>	2.5	2.5
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## Legend



Combination protection device made of Type 1 and Type 2



Transition from LPZ 0 to LPZ 2



Multibase base



Remote signalling



Communautés Européennes, EC declaration of conformity according to EC directives



Russia, GOST The State Committee for Standards



5-year warranty