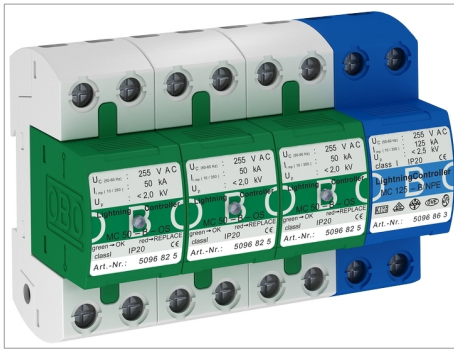


Technical data sheet

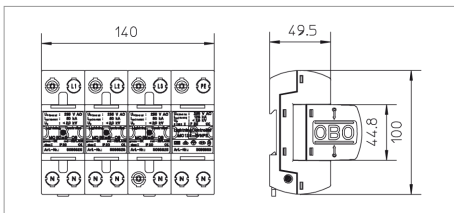
Lightning current arrester, 3-pole + NPE with function display



LightningController-Set, 4-pole, with visual function display, for use in TN-S and TT networks:

Completely pre-terminated and ready for connection, consisting of:
 MC 50-B-OS: Lightning current arrester, Type 1 (Class B) to EN 61643-11 for interface O to 1 (LPZ) according to lightning protection zone concept to IEC 61313-1 and DIN VDE 0185-305.

MC 125-B/NPE: N-PE spark gap, Type 1 (Class B) to IEC 61643 for use in TN-S and TT systems.



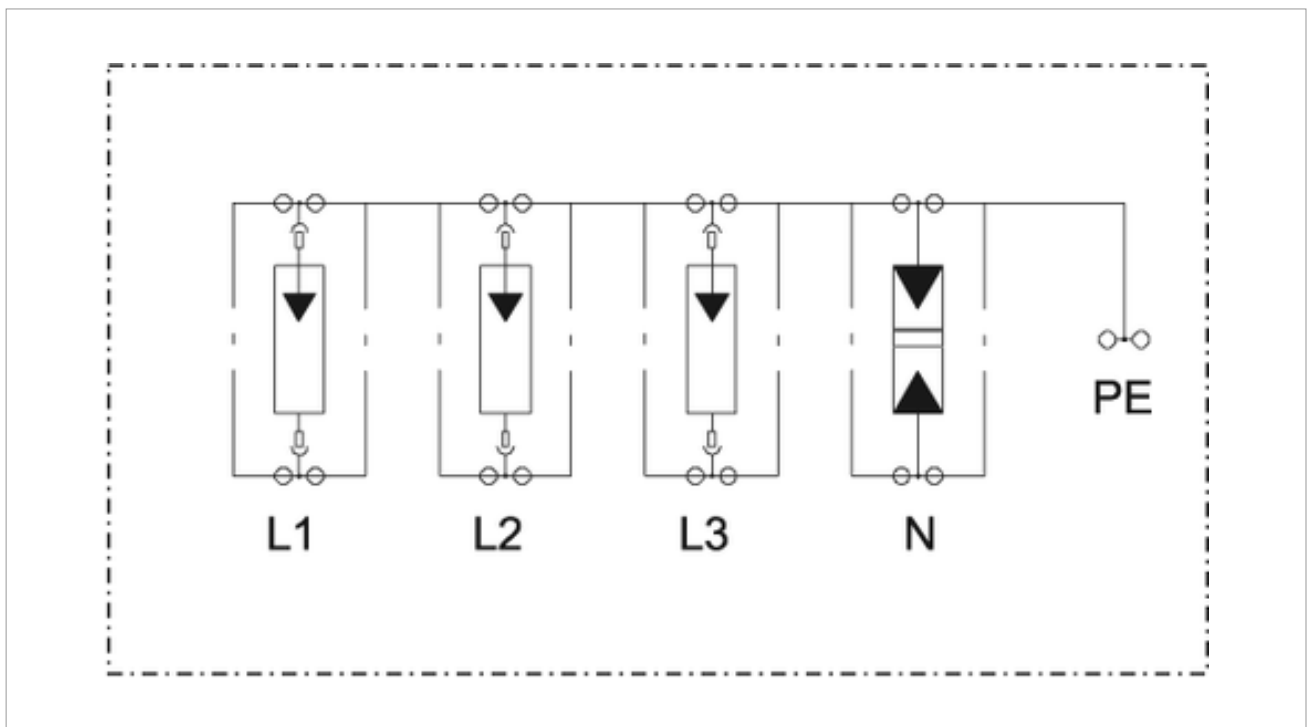
- Conforms to VDN directive 2nd Edition 2004
- Cover and base, plug-in cover
- Arresting capacity 50 kA (10/350 μ s) per pole
- Voltage protection level • Power consumption • Line follow current quenching 25 kA I_{peak}
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap: Can be used in standard distributor housings

Note: Requires a total of 5 m cable length as a decoupling length for surge protection.

Type	Maximum continuous voltage V	Version	Pack Units	Weight kg/100 pc.	Art.-No.
MC 50-B 3+1-OS	255	3 + NPE	1	170.000	5096832

G /pc.

Connection-/Circuit diagram



Article number				5096832
Nominal voltage	U_N	V	230	
SPD to EN 61643-11				Type 1
SPD to IEC 61643-1				class I
LPZ				0?1
Lightning impulse current (10/350)	I_{imp}	kA	50	
Nominal discharge surge current (8/20)	I_n	kA	50	
Arrester surge current (8/20) [total]			kA	125
Voltage protection level	U_p	kV	< 2,0	
Response time	t_A	ns	<100	
Follow current quenching capacity I_{peak}	$I_{fi peak}$	kA	25	
Maximum back-up fuse			A	500
Temperature range	?	°C	-40	
Division unit TE (17.5 mm)				8
Protection rating				IP 20
Connection cross-section, rigid			mm ²	10
Connection cross-section, multi-wire			mm ²	10
Connection cross-section, flexible			mm ²	10

Legend



230/400 V-system



Protection device to DIN EN 61643-11 or IEC 61643-11



Transition from LPZ 0 to LPZ 1



Communautés Européennes, EC declaration of conformity according to EC directives



5-year warranty