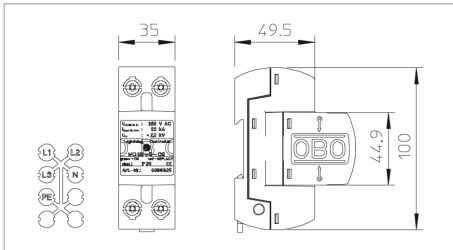


## Technical data sheet

### Lightning current arrester, 1-pole with function display



MC 50-B:OS: Type 1 (Class B) lightning current arrester with visual function display in accordance with DIN EN 61643-11 for interface 0 to 1 (LPZ) in accordance with lightning protection concept to IEC 61313-1 and VDE 0185-305 (IEC 62305)

- Cover and base, plug-in base
- Arresting capacity 50 kA (10/350  $\mu$ s) per pole
- Protection level • Power consumption • Line following current quenching 25 kA I<sub>peak</sub>
- Incl. plug caps for identifying the connections
- Encapsulated, non-extinguishing spark gap: Can be used in standard distributor housings

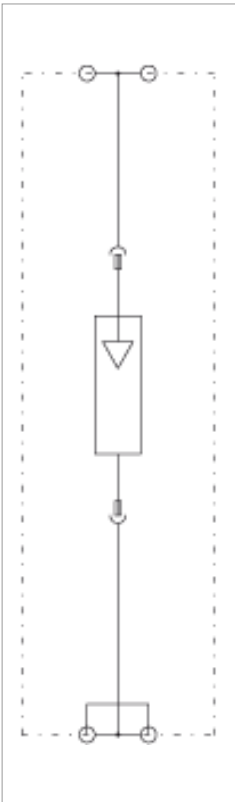
Application example: Industrial systems.

Note: Required as decoupling length for surge voltage protection of 5 m of cable.

Type	Maximum continuous voltage V	Version	Pack Units	Weight kg/100 pc.	Art.-No.
MC 50-B-OS	255	1-pole	1	34.800	5096851

 /pc.

## Connection-/Circuit diagram



Article number			<b>5096851</b>
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	50
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)			2
Protection rating			IP 20
Connection cross-section, rigid		mm <sup>2</sup>	10
Connection cross-section, multi-wire		mm <sup>2</sup>	10

## Connection-/Circuit diagram

Connection cross-section, flexible

mm<sup>2</sup>

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