

# Technical data sheet

## Lightning arrester MCF 35, 400/690 V, 1-pole with IR

Item number: 5096976



Lightning arrester type 1

- Fully assembled 3-pole connection unit
- For lightning protection equipotential bonding according to DIN EN 62305 (IEC 62305)
- Lightning current arresting capacity 35 kA (10/350) per pole
- Line following current quenching 50 kA<sub>eff</sub>, arrester back-up fuse up to 400 A gL/gG
- Encapsulated, non-extinguishing spark gap arrester for use in distributor housings
- Cut-off unit with visual indicator
- Remote signalling with potential-free changeover contact
- For finished mounting on busbars and walls

Application: Without exception for 400/690 V power systems



**AIG** Cast aluminium

### Master data

Item number	5096976
Type	MCF 35-P3+FS-440
Description 1	LightningController
Description 2	3-pole version
Manufacturer	OBO
Dimension	440V
Colour	Aluminium
Material	Cast aluminium
Smallest sales unit	1
Unit of quantity	Piece
Weight	400 kg
Weight unit	kg/100 pc.

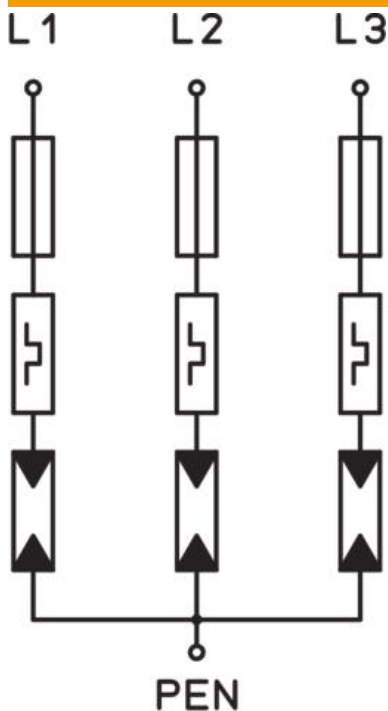
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Arrester surge current (8/20 $\mu$ s) [total]	105 kA
Response time	<100 ns
Blow-out	no
Version for	3-pole
Pole version	3
Operating temperature, max.	85 °C
Operating temperature, min.	-40 °C
Lightning surge current (10/350 $\mu$ s)	35 kA
Lightning surge current (10/350)	105 kA
Remote signalling	yes
FM contacts	Changeover
Follow current quenching capacity (eff) [N-PE]	50 kA
Follow current quenching capacity leff	50
Function/defect display	Visual
Maximum continuous voltage AC	440
Short-circuit resistance	50 kA
Short-circuit resistance for max. mains-side overcurrent protection	50 kA
Lightning protection zone LPZ	0→1
Max. mains-side overcurrent protection	400
Maximum back-up fuse	400 A
Nominal discharge current (8/20 $\mu$ s)	35 kA
Nominal voltage AC (50/60 Hz)	400 V
Network form	TN
TN network form	yes
TN-C network form	yes
Pole number	3
Test class, type 1	yes
Protection rating	IP20
Protection level	$\leq 2,5$
Signalling on device	Visual
SPD to EN 61643-11	Type 1
SPD to IEC 61643-1	Class I
Cable type for surge protection devices	Power cable AV