

Technical data sheet

Surge protection module ÜSM 10

Item number: 5092440



Surge protection module type 2+3 to DIN EN 61643-11 for 230/400 V power grids.

Appropriate for the protection of LED lighting.

- With function display and switch-off of the load circuit when a SPD fails
- Small size for the installation in the pole connection box or upstream of the LED driver
- 1+NPE protective circuit with a maximum discharge capacity of 10 kA
- Reduction of overvoltage to under 1,00 V or 1,000 V @ 5 kA
- With or without luminaire switch-off in case of defect

Application: In the cable transition box, junction boxes, cable ducts and trunking through to underfloor systems
To protect electronic devices such as LED luminaires against surge voltages



Master data

Item number	5092440
Type	ÜSM-10-230I1PE25
Description 1	Surge protective Modul
Description 2	for LED lights with PE - SE
Manufacturer	OBO
Dimension	230V
Smallest sales unit	1
Unit of quantity	Piece
Weight	5.5 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	0,0436 kg CO2e / 1 Piece

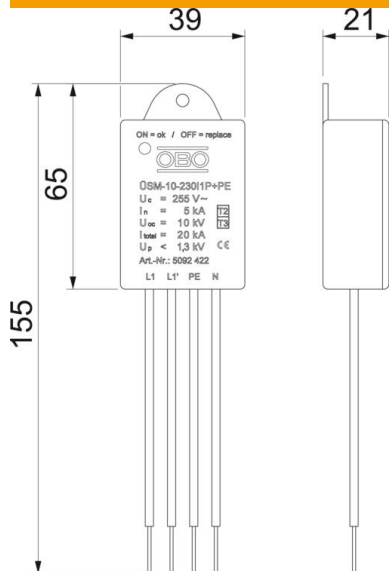
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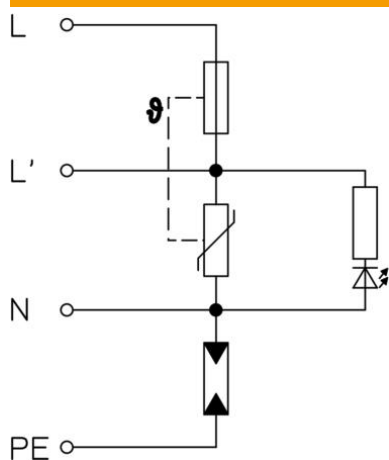


Dimensions



Length	315 mm
Width	40 mm
Height	21 mm

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Arrester surge current (8/20 µs) [total]	10 kA
Connecting cable length	0.09 m
Response time	<25 ns
Version for	1-pole + NPE for PC I
Pole version	1+N/PE
Operating temperature, max.	80 °C
Operating temperature, min.	-40 °C
Combined voltage protection level [L-PE]	1500 kV
Maximum continuous voltage (L-N)	255 V
Maximum continuous voltage (N-PE)	255 V
Maximum continuous voltage AC	255 V
Lightning protection zone LPZ	1→2
Max. mains-side overcurrent protection	16
Maximum back-up fuse	16 A
Maximum discharge current (8/20 µs)	10 kA
Maximum discharge current (8/20 µs) [L-N]	10 kA
Maximum discharge current (8/20 µs) [N-PE]	10 kA
Installation type	Miscellaneous
Nominal discharge current (8/20 µs)	5 kA
Nominal discharge current (8/20 µs) [L-N]	5 kA

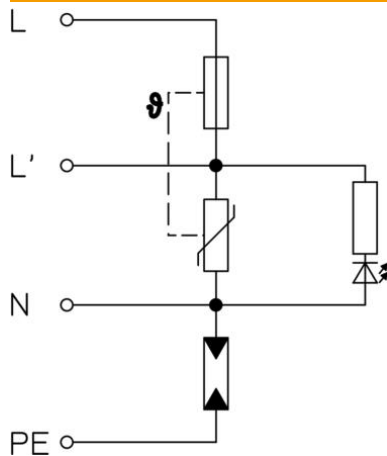
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Nominal discharge current (8/20 µs) [N-PE]	5 kA
Nominal voltage AC (50/60 Hz)	230 V
OBO_Nominal load current (input/output terminal)	16 A
Test class, type 2	yes
Test class, type 3	yes
Protection rating	IP20
Protection level	1,5
Protection level [L-N]	≤1500
Signalling on device	Visual
SPD to EN 61643-11	Type 2+3
SPD to IEC 61643-1	Class II+III
Permitted temperature range, max.	80 °C
Permitted temperature range, min.	-40 °C