

Surge protection for LED systems 230V



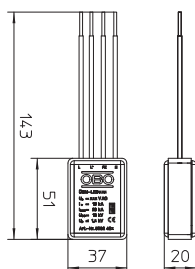
Surge protection module type 2+3 to DIN EN 61643-11 for 230/400 V power grids. Appropriate for the protection of LED lighting.

- With visual function display
- Small size for the installation in the pole or in the LED lamp head
- 1+NPE protective circuit with a maximum discharge capacity of 20 kA
- Surge limitation under 1,300 V or 1,000 V @ 5 kA
- Available with or without cut-off function of the lamp in case of malfunction

Application: Universally deployable in all lighting systems

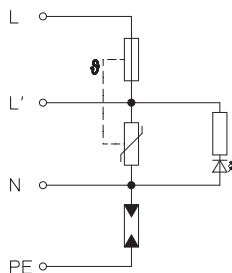
Type	Highest Version	Pack. pcs	Weight kg/100 pcs.	Item No.
ÜSM-LED 230	continuous voltage V	1	3,500	5092480

Dimensions



ÜSM-LED 440	440	1+NPE	1	4,500	5092482
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Connection options



ÜSM-LED 230

Nominal voltage V	U _N	230
SPD to EN 61643-11		Type 2+3
SPD to IEC 61643-11		Class II+III
Lightning protection zone LPZ		1→3
Nominal discharge current (8/20) kA	I _n	10
Arrestor surge current (8/20) [total] kA	I _{Total 8/20}	20
Maximum discharge current (8/20 μs) kA	I _{max}	20
Voltage protection level kV	U _p	1,3
Response time ns	t _A	< 25
Maximum back-up fuse A		16
Temperature range °C	θ	-15+60
Protection rating		IP20
Connecting cable length m		0,092

ÜSM-LED 440

Nominal voltage V	U _N	440
SPD to EN 61643-11		Type 2+3
SPD to IEC 61643-11		Class II+III
Lightning protection zone LPZ		1→3
Nominal discharge current (8/20) kA	I _n	10
Arrestor surge current (8/20) [total] kA	I _{Total 8/20}	20
Maximum discharge current (8/20 μs) kA	I _{max}	20
Voltage protection level kV	U _p	1,8
Response time ns	t _A	< 25
Maximum back-up fuse A		16
Temperature range °C	θ	-15+60
Protection rating		IP20
Connecting cable length m		0,092

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