Compact
surge protection
for electronic devices and LED street lighting

Surge protective devices Typ 2+3

- With function display and switch-off of the load current circuit in case of failure of the SPD
- Small construction size for installation in the pole connection box or in front of the LED driver
- Reduction of the surge voltage to below 1,300 V (protection level)
- Optionally available as IP65 version

5 YEARS · PRODUCT WARRANTY

Building Connections

OBO BETTERMANN

Surge protective devices, SPD T2 T3

Surge protective module Typ 2+3 to DIN EN 61643-11 for 230/400 V power grids to protect LED lighting and/or the LED driver.
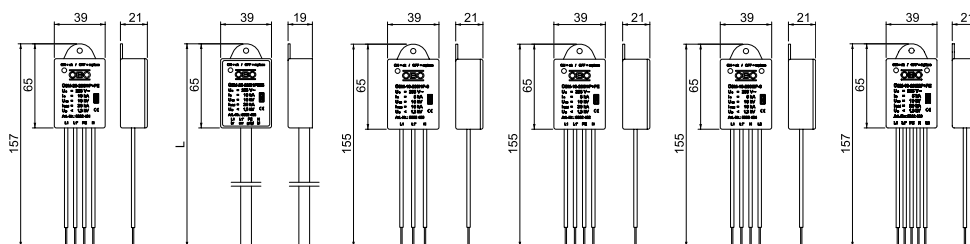
The surge protective module (device) can be used, for example, in the pole connection box of street lighting. The high performance level means that the ÜSM-... protection devices are particularly suitable for protecting outdoor devices requiring a high level of protection.

Application in:

- Cable fuse box in the street lighting pole
- Junction boxes
- Cable ducts
- Underfloor systems
- Electrical equipment

Type	ÜSM-20-230I1P+PE	ÜSM-20-230I1PE65	ÜSM-10-230I1P-0	ÜSM-10-230I1P+PE	ÜSM-10-230I2P-0	ÜSM-10-230I2P+PE
Version	1-pole + NPE for SK I	1-pole + NPE for SK I	1-pole without NPE for SK II	1-pole + NPE for SK I	2-pole without NPE for SK II	2-pole + NPE for SK I
SPD to EN 61643-11	Typ 2+3	Typ 2+3	Typ 2+3	Typ 2+3	Typ 2+3	Typ 2+3
Maximum continuous voltage	255 V (AC)	255 V (AC)	255 V (AC)	255 V (AC)	255 V (AC)	255 V (AC)
Max. discharge current (8/20)	20 kA	20 kA	10 kA	10 kA	10 kA	10 kA
Nominal discharge current (8/20) T2	10 kA	10 kA	5 kA	5 kA	5 kA	5 kA
Open circuit voltage T3	10 kV	10 kV	10 kV	10 kV	10 kV	10 kV
Protection level (L-N / L/N-PE)	1,300 / 1,300 V	1,500 / 1,600 V	1,300 V	1,300 / 1,300 V	1,300 V	1,300 / 1,300 V
Protection rating	IP20	IP65	IP20	IP20	IP20	IP20
Item no.	**5092 43 1**	**5092 43 3**	**5092 42 0**	**5092 42 2**	**5092 42 4**	**5092 42 6**