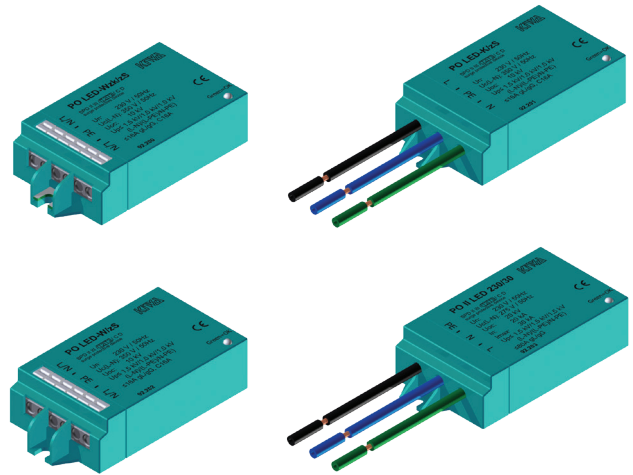


PO II LED, PO LED

- Usage for LED lights as 2nd and 3rd level (T2 medium and T3, fine protection) in 3-level overvoltage protection concept
- It decreases overvoltage and reduces overvoltage wave energy caused by induction and switching processes in the connected low voltage network
- Installation into the cable channel and installation boxes or to terminals of the protected appliance
- Protection against the transverse and longitudinal overvoltage (L/N, L/PE, N/PE)
- Protective effect provided by a varistor combined with spark gap
- Optical signalization of operational state



TECHNICAL PARAMETERS

| TYPE | | PO II LED 230V/30kA | PO LED-Wzk/zS | PO LED-W/zS | PO LED-K/zS |
|-----------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------|-----------------------------------------|---------------------|-------------------------|
| Connection | | wire 2,5mm ² | terminal block, max. 1,5mm ² | | wire 1,5mm ² |
| L (mm) | | 160 | - | | 160 |
| Nominal voltage | U _n | 230 V AC | | 230 V AC | |
| Max. operation voltage | U _c | 275 V AC | | 350 V AC | |
| Nominal discharge current (8/20) T2 | I _n | 20 kA | | 5 kA | |
| Max. discharge current (8/20) | I _{max} | 30 kA | | 10 kA | |
| Open circuit voltage | U _{oc} | 20 kV | | 10 kV | |
| Voltage protection level | U _p (L-N) | ≤1,4 kV | | ≤1,5 kV | |
| | U _p (L-PE) | ≤1,4 kV | | ≤1 kV | |
| | U _p (N-PE) | ≤1,4 kV | | ≤1 kV | |
| Response time | t _A (L-N) | <25 ns | | <25 ns | |
| | t _A (L-PE) | <100ns | | <100ns | |
| Prospective short-circuit current of a power supply | I _p | 25 kA _{ef} | | 10 kA _{ef} | |
| Overcurrent protection gL/gG or a protector B, C | | ≤80 A | | ≤16 A | |
| Operating temperature range | T _A | - 45 ... + 85 °C | | - 25 ... + 80 °C | |
| Storage temperature range | T _{stg} | - 45 ... + 85 °C | | - | |
| Isolation voltage capability min.*1 | | 2200 V | | - | |
| Degree of protection | | IP 67 | | IP 20 | |
| Status indication of TDD (Thermic Disconnecting Device) | | | optical, green (OK) | | |
| Colour | | turquoise blue; RAL 5018 | | | |
| Dimensions (mm) | | 40 x 73,5 x 20 | | | |
| Products comply with norms STN EN 61643-11 IEC 61643-1 VDE 0675-06 | | type 2 T2 + type 3 T3 class II + class III Klasse C + Klasse D | | | |

Note: *1 (When the thermal disconnect opens)

PRODUCT SPECIFICATION

PO/PO II LED - /
zS - optical signalization - green (OK)
W - terminal block
K - cord connection
Wzk - terminal block + ground connector

Condition of 10 y. Warranty: Although the surge protective unit PO LED itself provides protection against overvoltage, it is necessary that its installation is performed with a front-end protecting device of the Type 1 (or Type 2) in accordance with the concept of over-voltage protection coordination.

| TYPE | Order No. |
|-------------------------|-----------|
| PO LED-Wzk/zS | 92.200 |
| PO LED-K/zS | 92.201 |
| PO LED-W/zS | 92.202 |
| PO II LED 230V/30kA | 92.203 |
| PO II LED V 230V/30kA | 92.208 |
| PO II LED LCF 230V/30kA | 92.207 |