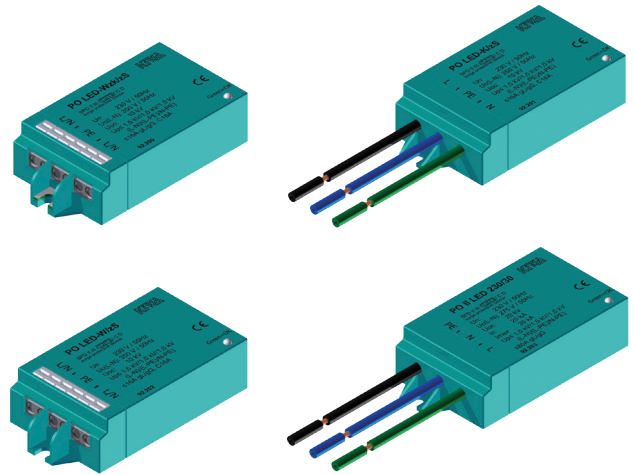


PO II LED, PO LED

- 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 ... + 110 °C		-	
Isolation voltage capability min.*1		1500 V		-	
Degree of protection		IP 66		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			typ 2 T2 + typ 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

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

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.