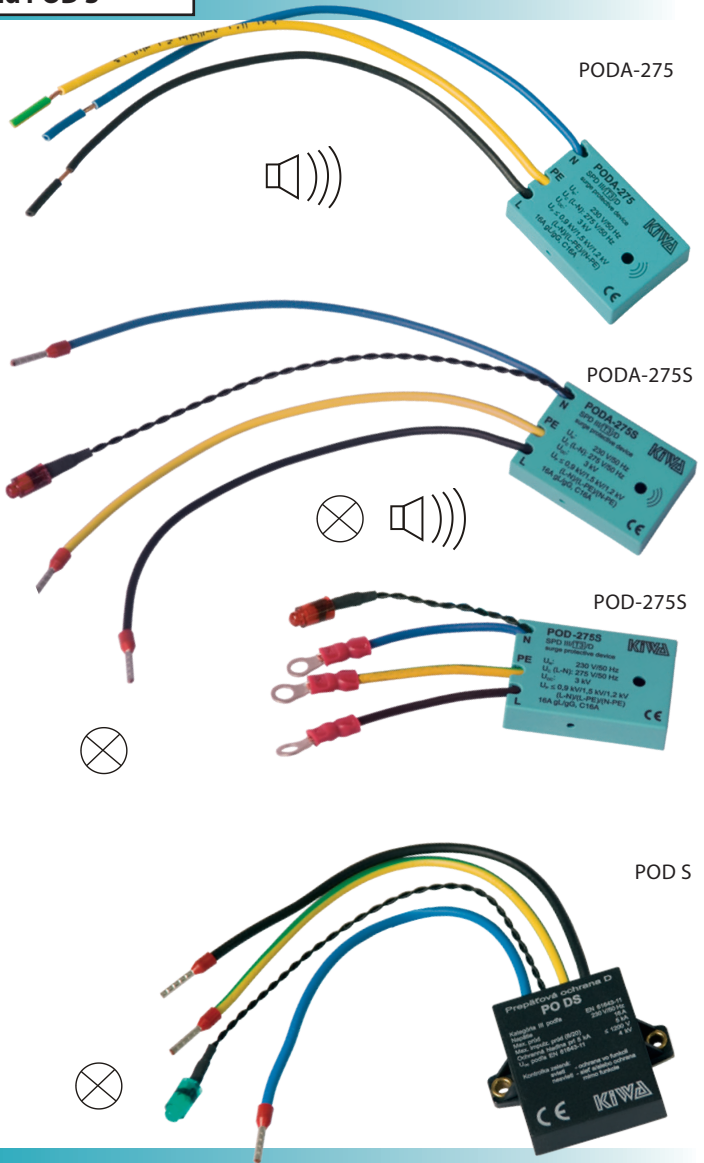


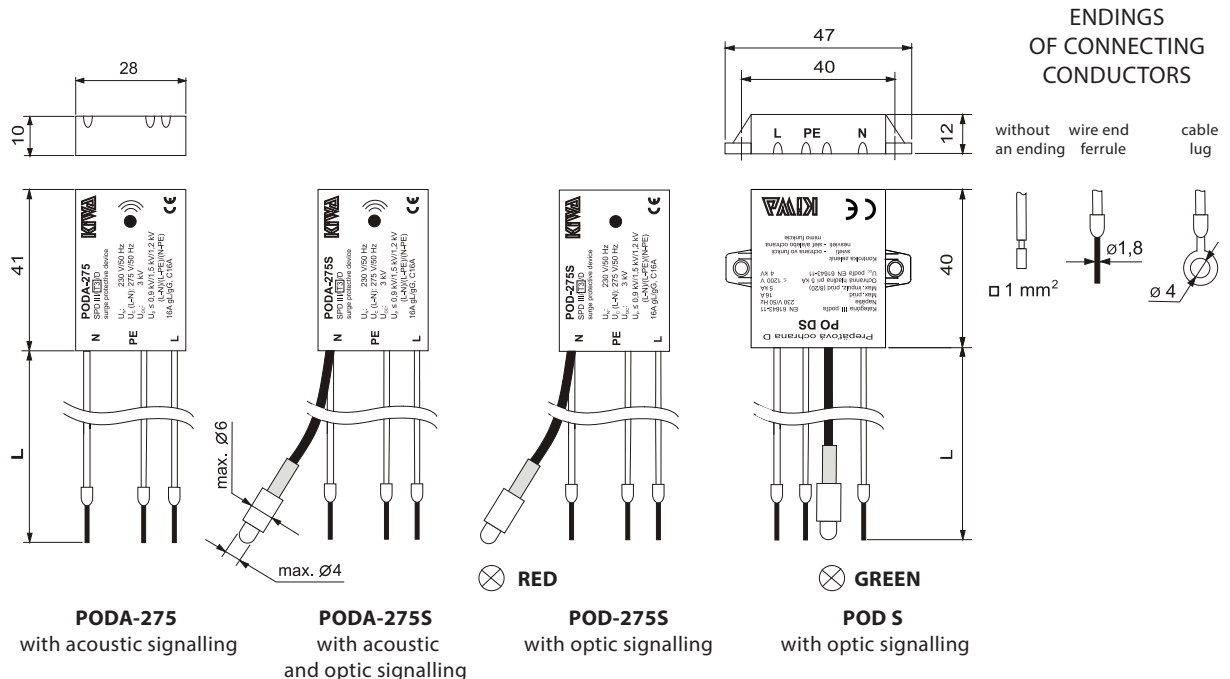
# OVERVOLTAGE PROTECTION MODULES

## PODA-275, PODA-275S, POD-275S and POD S

- Usage as 3rd level (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 and/or acoustical signalization of operational state



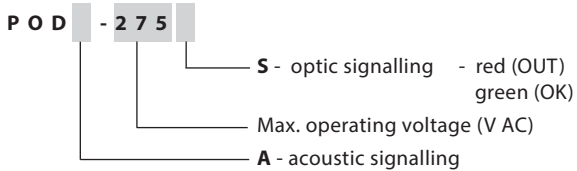
## DIMENSIONS



## TECHNICAL PARAMETERS

KIWA	TYPE	PODA-275	PODA-275S	POD-275S	POD S
Nominal voltage	$U_n$	230 V~			230 V~
Max. operating voltage	$U_c$ (L-N)	275 V~			275 V~
Open circuit voltage	$U_{oc}$	3 kV			4 kV
Voltage protection level	$U_p$ (L-N)	$\leq 0,9$ kV			$\leq 1,2$ kV
	$U_p$ (L-PE)	$\leq 1,5$ kV			$\leq 1,5$ kV
	$U_p$ (N-PE)	$\leq 1,2$ kV			$\leq 1,5$ kV
Response time	$t_A$ (L-N)	<25 ns			<25 ns
	$t_A$ (L-PE)	<100 ns			<100 ns
Overcurrent protection gL/gG or a protector B, C		$\leq 16$ A			$\leq 16$ A
Prospective short-circuit current of a power supply	$I_p$	6 kA <sub>ef</sub>			6 kA <sub>ef</sub>
Operating temperature range		- 25 ... +40 °C			- 25 ... +40 °C
Degree of protection		IP 20			IP 20
Status indication of TDD (Thermic Disconnecting Device)		A	A,S - red (OUT)	S - red (OUT)	S - green (OK)
Colour		turquoise blue; RAL 5018			black; RAL 9011
Dimensions		28x41x10 mm			47x40x12 mm
Products comply with norms EN 61643-11 IEC 61643-1 VDE 0675-06		type 3 <span style="border: 1px solid black; padding: 0 2px;">T3</span> Class III Klasse D			

## PRODUCT SPECIFICATION

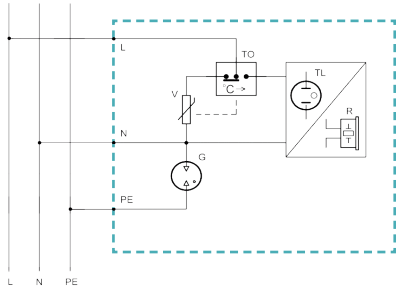


TYPE	PODA-275						PODA-275S		POD-275S			POD S
Order number	92.133/x						92.134/x		92.135/x			92.021
x	90	10	20	30	40	50	90	10	90	10	20	
L (mm)	160	50	60	on order	on order	160	160	on order	160	50	60	150
Tape of ending								on order				
Recommended for sockets (other kinds on demand)	Valena(1) 774396 a 774398 Tango(2) 5513A-C02357		Tango(1) 5518A-A2349 Tango(2) 5512A-A2349 Classic(1) 5517-2389 Classic(2) 5512C-2349						Valena(1) 774396 a 774398 Tango(2) 5513A-C02357		Tango(1) 5518A-A2349 Tango(2) 5512A-A2349 Classic(1) 5517-2389 Classic(2) 5512C-2349	

Note: \* package contains both types of endings

**INSTALLATION**

CONNECTION DIAGRAM



POD is connected to the electric installation by conductors with wire end ferrules, cable lugs or without any endings – according to the realization.

POD is parallel-connected to distribution conductors of electric installation or directly to clamps of the protected appliance. It is necessary to respect the marking of conductors at the assembly (L, N, PE).

Optical status indicator of POD S, POD-275S and PODA-275S is either stucked or luted at assembly into the hole of 4 mm diameter in the cover of socket.



Although the surge protective unit POD itself provides protection against overvoltage, it is recommended that its installation is performed with a front-end SPD of the Type 2 in accordance with the concept of overvoltage protection coordination.

**APPLICATIONS**

Module of surge protective device POD is designed for

- assembly into installation channels or floor systems;
- additional assembly into installation boxes under the sockets – for all common types of sockets, it is imbedded into electro-installation boxes with minimum depth of 40 mm;
- assembly into installation boxes;
- directly into electric machines, appliances and equipment.

