

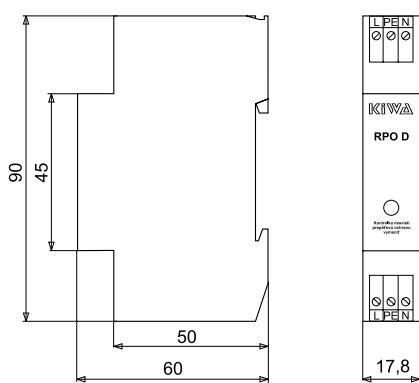
# DISTRIBUTION BOX OVERVOLTAGE PROTECTION

## RPO D / RPO DS

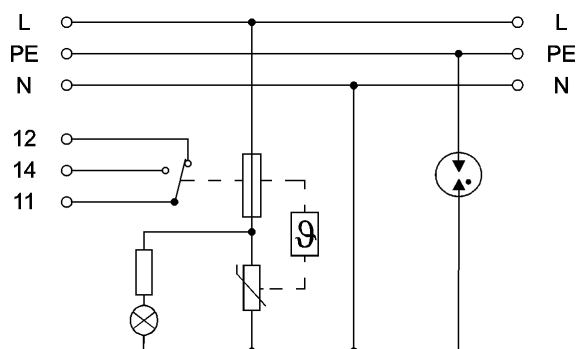
- Usage as 3rd level (T<sub>3</sub>, fine protection) in 3-level overvoltage protection concept
- It decreases overvoltage and reduces overvoltage wave energy caused by induction and switching processes in the connected low voltage network
- Installation on 35 mm DIN rail
- Protection against the transverse and longitudinal overvoltage (L/N, L/PE, N/PE)
- Protective effect provided by a varistor combined with spark gap
- Optical and remote signalling of operation state



## DIMENSIONS



## CONNECTION DIAGRAM



## TECHNICAL PARAMETERS

KIWA	TYPE	230 V	115 V	48 V	24 V
Nominal voltage	$U_n$	230 V~	115 V/50 Hz	48 V ~/=	24 V ~/=
Rated load current	$I_L$	16 A	16 A	16 A	16 A
Nominal discharge current (8/20)	$I_n$	2,5 kA	2,5 kA	2,5 kA	1 kA
Maximum discharge current (8/20)	$I_{max}$	5 kA	5 kA	5 kA	2 kA
Open circuit voltage	$U_{oc}$	4 kV	4 kV	4 kV	2 kV
Voltage protection level at $I_{max}$					
L(N)/PE	$U_p$	< 1,5 kV	< 0,8 kV	< 1,1 kV	< 0,8 kV
L/N	$U_p$	< 1,2 kV	< 0,7 kV	< 0,4 kV	< 0,2 kV
Response time					
L/N	$t_A$			< 25 ns	
L(N)/PE	$t_A$			< 100 ns	
Prospective short-circuit current of a power supply	$I_p$			6 kA <sub>ef</sub> / 50 Hz	
Overcurrent protection gL/gG				≤16 A with disconnection characteristic B, C, D	
Status indication of TDD (Thermic Disconnecting Device)				green (OK)	
Mounting on profiled DIN rail				35 x 7,5 mm	

## PRODUCT SPECIFICATION

TYPE	Order number			
	230 V	115 V	48 V	24 V
RPO D	92.024	92.081	92.083	92.082
RPO DS	92.025	92.084	92.086	92.085