

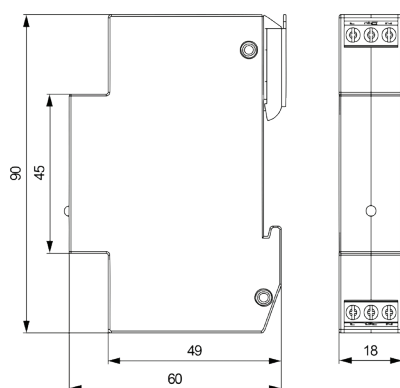
DISTRIBUTION BOX OVERVOLTAGE PROTECTION

RPO D, RPO DS

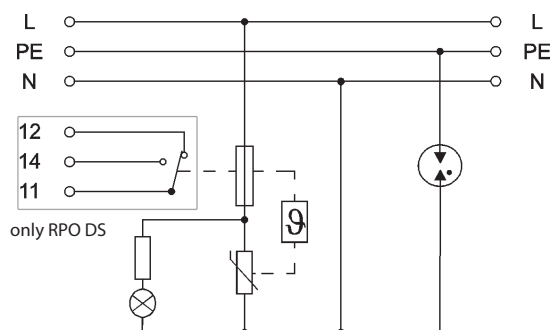
- Usage as 3rd level (T3, fine protection) in 3-level overvoltage protection concept
- It decreases overvoltage and reduces overvoltage wave energy caused by induction and switching processes in the connected low voltage network
- Installation on 35 mm DIN rail
- Protection against the transverse and longitudinal overvoltage (L/N, L/PE, N/PE)
- Protective effect provided by a varistor combined with spark gap
- Optical and remote operation state indication



DIMENSIONS



CONNECTION DIAGRAM



TECHNICAL PARAMETERS

TYPE		230 V AC	115 V AC	48 V AC/DC	24 V AC/DC	12 V AC/DC
Max. operation voltage	U_c	280 V AC	115 V AC	48 V AC/DC	24 V AC/DC	12 V AC/DC
Nominal voltage	U_n	230 V AC	115 V AC	48 V AC/DC	24 V AC/DC	12 V AC/DC
Rated load current	I_L	16 A	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	1 kA
Maximum discharge current (8/20)	I_{max}	5 kA	5 kA	5 kA	2 kA	2 kA
Open circuit voltage	U_{oc}	4 kV	4 kV	4 kV	4 kV	4 kV
Voltage protection level at I_{max}	L(N)/PE	$U_p \leq 1,5$ kV	$U_p \leq 0,8$ kV	$U_p \leq 1,1$ kV	$U_p \leq 0,8$ kV	$U_p \leq 0,8$ kV
	L/N	$U_p \leq 1,2$ kV	$U_p \leq 0,7$ kV	$U_p \leq 0,4$ kV	$U_p \leq 0,2$ kV	$U_p \leq 0,12$ 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 _{ef}		
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 No.				
	230 V AC	115 V AC	48 V AC/DC	24 V AC/DC	12 V AC/DC
RPO D	92.024	92.081	92.083	92.082	92.160
RPO DS	92.025	92.084	92.086	92.085	92.161

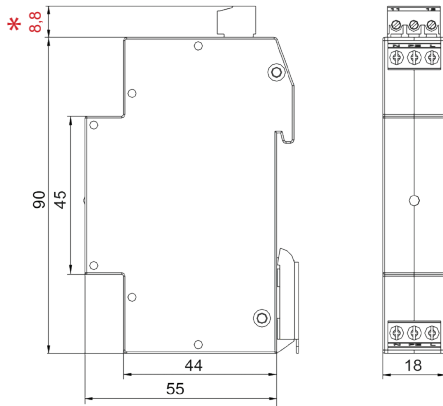
DISTRIBUTION BOX OVERVOLTAGE PROTECTION

PO III 230V, PO III R 230V

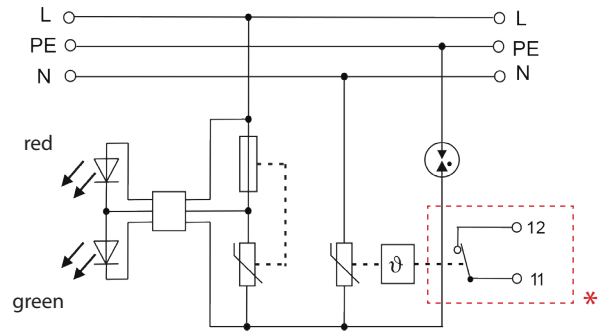
- Usage as 3rd level (T3, fine protection) in 3-level overvoltage protection concept
- It decreases overvoltage and reduces overvoltage wave energy caused by induction and switching processes in the connected low voltage network
- Installation on 35 mm DIN rail
- Protection against the transverse and longitudinal overvoltage (L/N, L/PE, N/PE)
- Protective effect provided by a varistor combined with spark gap
- Optical and remote operation state indication



DIMENSIONS



CONNECTION DIAGRAM



* is valid for PO III R 230V

TECHNICAL PARAMETERS

TYPE		230 V AC
Max. operation voltage	U_c	280 V AC
Nominal voltage	U_n	230 V AC
Rated load current	I_L	16 A
Nominal discharge current (8/20)	I_n	2,5 kA
Maximum discharge current (8/20)	I_{max}	5 kA
Open circuit voltage	U_{oc}	6 kV
Voltage protection level at I_{max}		
L(N)/PE	U_p	≤1,5 kV
L/N	U_p	≤1,2 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 _{ef}
Overcurrent protection gL/gG		≤16 A with disconnection characteristic B, C, D
Connection		terminal for 0,5 ÷ 2,5 mm ² wire
Degree of protection		IP 20

PRODUCT SPECIFICATION

TYPE	Order No.
PO III 230V	92.250
PO III R 230V	92.251