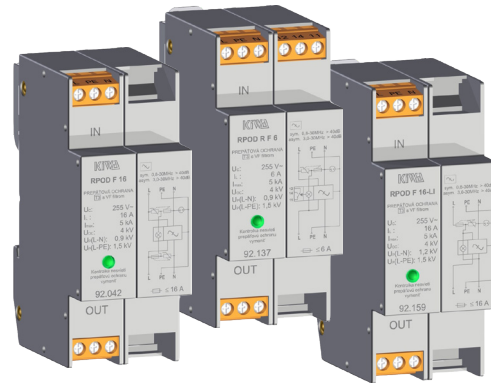


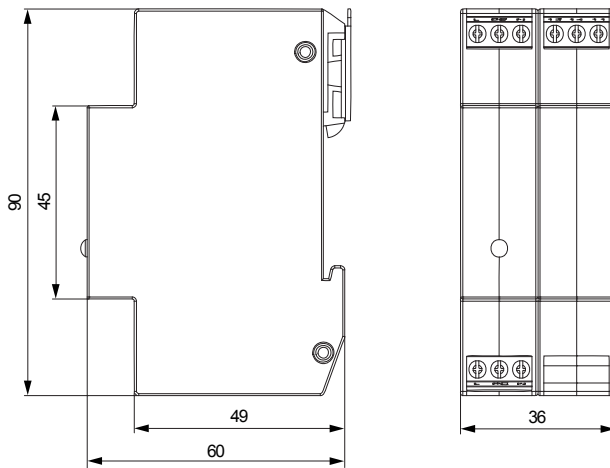
DISTRIBUTION BOX OVERVOLTAGE PROTECTION WITH HF FILTER

RPO D F 6, RPO D F 16, RPO D F 6-L, RPO D F 16-L a RPOD F 16-LI

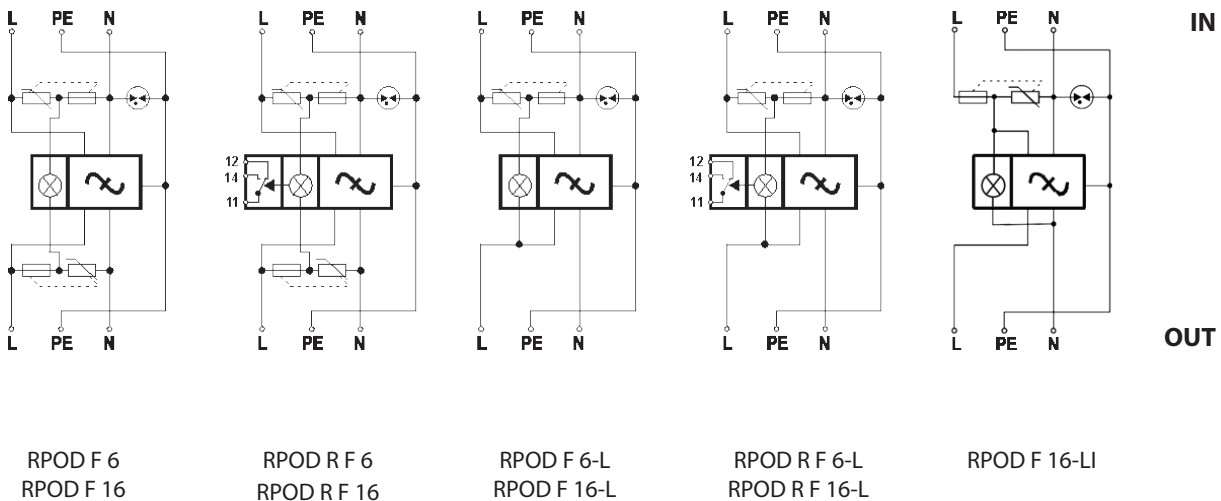
- Usage as 3rd level (T3, fine protection) in 3-level overvoltage protection concept
- It decreases overvoltage and reduces overvoltage wave energy caused by induction and switching processes in the connected low voltage network
- Prevents the propagation of high frequency disturbances
- Installation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



DIMENSIONS



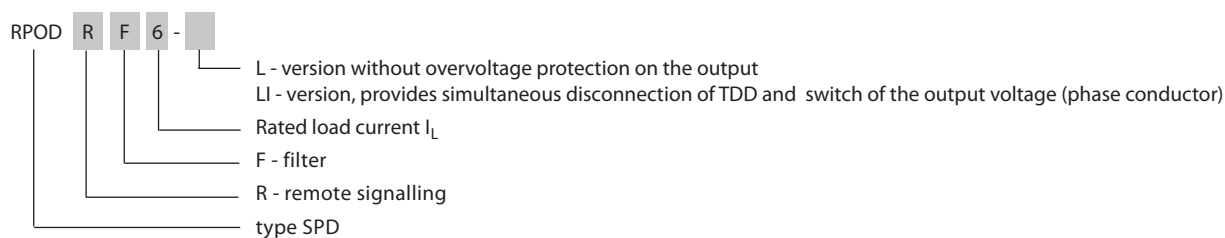
CONNECTION DIAGRAM



TECHNICAL PARAMETERS

TYPE		RPOD F 6	RPOD R F 6	RPOD F 16	RPOD R F 16	RPOD F 6-L	RPOD R F 6-L	RPOD F 16-L	RPOD R F 16-L	RPOD F 16-LI
Nominal voltage	U_n	230 V AC		230 V AC		230 V AC		230 V AC		230 V AC
Rated load current	I_L	6 A		16 A		6 A		16 A		16 A
Max. operating voltage	U_c	255 V AC		255 V AC		255 V AC		255 V AC		255 V AC
Open circuit voltage	U_{oc}	4 kV		4 kV		4 kV		4 kV		4 kV
Voltage protection level	U_p									
L/N		0,9 kV		0,9 kV		1,2 kV		1,2 kV		1,2 kV
N/PE		1,2 kV		1,2 kV		1,2 kV		1,2 kV		1,2 kV
L/PE		1,5 kV		1,5 kV		1,5 kV		1,5 kV		1,5 kV
Response time	t_A									
L/N		<25 ns		<25 ns		<25 ns		<25 ns		<25 ns
L/PE, N/PE		<100 ns		<100 ns		<100 ns		<100 ns		<100 ns
Residual current	I_{PE}	<1 mA		<1 mA		<1 mA		<1 mA		<1 mA
Overcurrent protection (fuse gG/circuit breaker B, C, D)		≤ 6 A		≤ 16 A		≤ 6 A		≤ 16 A		≤ 16 A
Prospective short-circuit current of a power supply	I_p	6 kA _{ef}		6 kA _{ef}		6 kA _{ef}		6 kA _{ef}		6 kA _{ef}
Filter attenuation symmetric 0,8 - 30 MHz		> 40 dB		> 40 dB		> 40 dB		> 40 dB		> 40 dB
Filter attenuation asymmetric 3 - 30 MHz		> 40 dB		> 40 dB		> 40 dB		> 40 dB		> 40 dB
Connecting conductor cross section		0,5 ... 2,5 mm ²		0,5 ... 2,5 mm ²		0,5 ... 2,5 mm ²		0,5 ... 2,5 mm ²		0,5 ... 2,5 mm ²
Signalling changeover contact		-	max. 250VAC 3 mA 1 A	-	max. 250VAC 3 mA 1 A	-	max. 250VAC 3 mA 1 A	-	max. 250VAC 3 mA 1 A	-
Degree of protection		IP 20								
Status indication of TDD (Thermic Disconnecting Device)		green (OK)								
Dimensions (mm)		90 x 60 x 36								
Mounting on profiled DIN rail		35 x 7,5 mm								
Product comply with norms STN EN 61643-11 IEC 61643-1 VDE 0675-06		type 3 T3 Class III Klasse D								

PRODUCT SPECIFICATION



TYPE	Order No.
RPOD F 16	92.042
RPOD R F 16	92.043
RPOD F 6	92.136
RPOD R F 6	92.137

TYPE	Order No.
RPOD F 16-L	92.142
RPOD R F 16-L	92.143
RPOD F 6-L	92.144
RPOD R F 6-L	92.145

TYPE	Order No.
RPOD F 16-LI	92.159