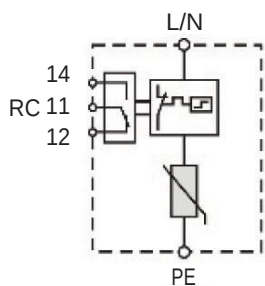


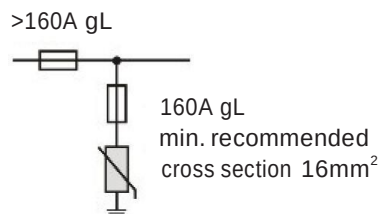


AC POWER PROTECTION - CLASS 1

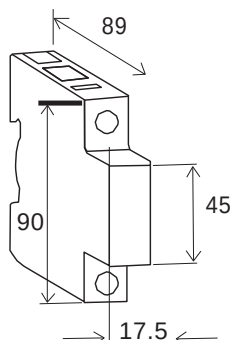
MER 12.5



Selection of back-up fuse



Dimensions



Category IEC/EN/VDE: Class I, II/Type 1, 2/B+C

Location of use: Main distribution boards

Protection modes: L/N - PE, L - PEN

Protective element: High Energy MOV

High surge discharge ratings: $I_{imp} = 12.5\text{kA}$

Housing: compact design

TYPE		MER 12.5				
		150	275	320	385	440
In accordance with		IEC - 61643 - 1				
Max. continuous operating voltage (AC/DC)	U_C	150/200V	275/350V	320/420V	385/500V	440/580V
Nominal discharge current (8/20) I_n		20kA				
Max. discharge current (8/20) I_{max}		50kA				
Impulse current 10/350) I_{imp}		12.5kA				
Specific energy		39kJ/W				
Charge		6.25As				
Protection level	U_p	<0.8kV	<1.5kV	<1.6kV	<1.7kV	<2.0kV
Residual voltage at I_{imp}	U_{res}	<0.7kV	<1.2kV	<1.3kV	<1.4kV	<1.9kV
Follow current	I_f	NO				
Response time	A	<25ns				
Residual current at U_C	I_{PE}	<2.5mA				
Thermal protection		YES				
Terminal screw torque		Max. 3.5Nm				
Back-up fuse (if mains > 250A)		160A gL				
Short-circuit withstand current		25kA / 50Hz				
Temperature range		- 40°C....+80°C				
Terminal cross section		35mm ² (solid) / 25mm ² (stranded)				
Mounting EN 60715		35mm ² top-hat rail				
Degree of protection		IP20				
Housing material		Thermoplastic; extinguishing degree UL 94 V-O				
Dimensions DIN 43880		1TE				
eight per unit		124g	150g	150g	143g	146g
MER 25 (with remote contacts)						
Remote contacts		YES				
Contact ratings		AC: 250V/0.5A ; 125V/3A				
Terminal cross section		max. 1.5mm ²				
Remote terminal torque		0.25Nm				
eight per unit		129g	155g	155g	148g	151g
Packaging dimensions (single unit)		108 x 74 x 24mm				

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