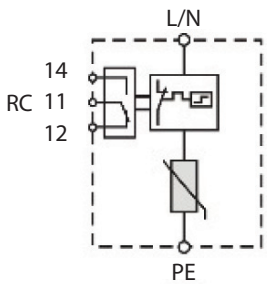
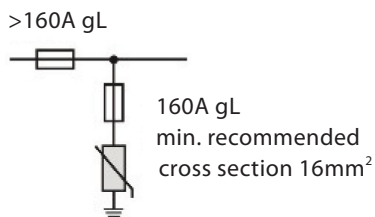


## AC POWER PROTECTION - CLASS 1

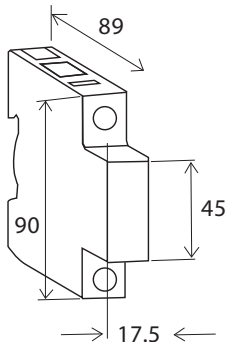
### MER 12.5



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:  $I_{imp} = 12.5kA$

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	$t_A$ <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 <sup>2</sup> (solid) / 25mm <sup>2</sup> (stranded)				
Mounting EN 60715	35mm <sup>2</sup> top-hat rail				
Degree of protection	IP20				
Housing material	Thermoplastic; extinguishing degree UL 94 V-0				
Dimensions DIN 43880	1TE				
Weight per unit	124g	150g	150g	143g	146g
<b>MER 25 (with remote contacts)</b>					
Remote contacts	YES				
Contact ratings	AC: 250V/0.5A ; 125V/3A				
Terminal cross section	max. 1.5mm <sup>2</sup>				
Remote terminal torque	0.25Nm				
Weight per unit	129g	155g	155g	148g	151g
Packaging dimensions (single unit)	108 x 74 x 24mm				

