



AC POWER PROTECTION - CLASS 1

MER 25

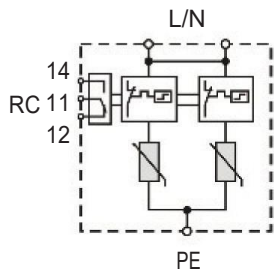
Category IEC/EN/VDE: Class I, II/Type 1, 2/B+C

Location of use: Main distribution boards

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

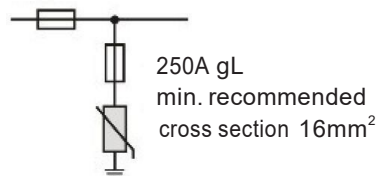
Protective element: High Energy MOV

Housing: compact design

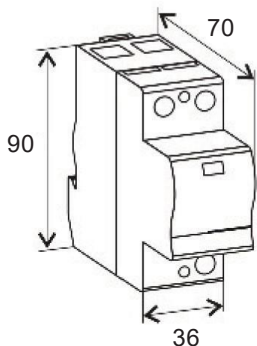


Selection of back-up fuse

>250A gL



Dimensions



TYPE		MER 25				
		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		25kA				
Max. discharge current (8/20)	I_{max}	100kA				
Impulse current 10/350)	I_{imp}	25kA				
Specific energy		156kJ/W				
Charge		12.5As				
Protection level	U_p	<0.7kV	<1.3kV	<1.3kV	<1.7kV	<2.0kV
Residual voltage at I_{imp}	U_{res}	<0.7kV	<1.2kV	<1.2kV	<1.5kV	<1.8kV
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. 4.5Nm				
Back-up fuse (if mains > 250A)		250A gL				
Short-circuit withstand current		25kA / 50Hz				
Temperature range		- 40°C...+80°C				
Terminal cross section		35mm ² (solid) / 25mm ² (stranded)				
Degree of protection		IP20				
Housing material		Thermoplastic; extinguishing degree UL 94 V-O				
Dimensions DIN 43880		2TE				
Weight per unit		200g	252g	252g	268g	284g
MER 25						
Remote contacts		YES				
Contact ratings		AC: 250V/0.5A ; 125V/3A				
Terminal cross section		max. 1.5mm ²				
Remote terminal torque		0.25Nm				
Weight per unit		205g	257g	257g	273g	
Packaging dimensions (single unit)		109 x 76.5 x 41.5mm				
						289g

Contact: Clint Inwood - 0412 929 176 clint.inwood@n2g.com.au <https://www.n2g.com.au/>

