

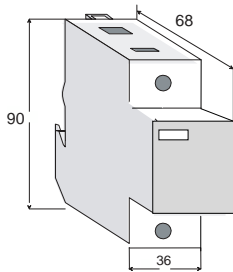
T1-12,5M Surge Protective Device 1 & 2



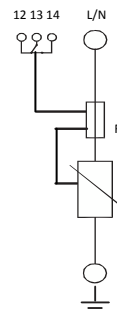
The T1-12,5M is a surge protective device available in 1 up to 4 poles version, with very high protection level against surges at direct lightning stroke (in presence of lightning conductor) and against indirect surges on the electrical networks.

- Surge protective device type 1&2 I_{imp} 12.5kA / I_{max} 80kA
- Discharge Nominal current I_n 20kA
- End of life indicator
- Pluggable module
- Default output

Dimensions



Scheme



Characteristics

Part number	T1-12.5M/335-T
Network type	TT-TN
Nominal voltage nominale U_n	230 VAC
Max permanent service voltage U_c (50Hz)	335 VAC
Transient surge handling	>400 VAC
Nominal discharge current I_n (8/20 μ s)	20kA
Max discharge current I_{imp} (10/350 μ s)	12.5 kA
Protection level U_p under I_n	<1,5 kV
Protection level U_p under I_{imp}	1,2 kV
specific energy / load	40 kJ/ Ω 6.25 As
Residual voltage at 5kA / at 10kA / at 15kA / at 20kA	1 kV / 1.15 kV / 1.25 kV / 1.31 kV
Max discharge current I_{max} (8/20 μ s)	80kA
Leak current I_{pe}	< 2mA
Response time	< 25 ns
Max. fuse in upstream $I_{cc} \leq 25kA$	max.250 A gG/gL
Max fuse in upstream max. $I_{cc} > 25kA$	max.125 A gG/gL
I_{cc} Max short circuit current handling.	25 kA /50Hz
Internal thermal disconnecter	yes
Remote monitoring of status	yes
Wiring gauge L; N; PE	4-35 mm ² (flexible : 25 mm ² max.)
Monitoring contacts flexible rigid	1.5 mm ² (flexible,rigid)
Operating t°C	-20°C / +80° C
Housing material	Polyester thermoplastic UL 94 5VA
Housing protection level	IP20
Mounting	symetrical DIN Rail (EN 50022 / DIN46277-3)
Standards	NF EN 61643-11 / IEC 61643-1

References

Part number	Designation
T1-12,5M/335-T1	1 pole type 1 limp 12,5kA U_c 335 with default output
T1-12,5M/335-T2	2 poles type 1 limp 12,5kA U_c 335 with default output
T1-12,5M/335-T3	3 poles type 1 limp 12,5kA U_c 335 with default output
T1-12,5M/335-T4	4 poles type 1 limp 12,5kA U_c 335 with default output