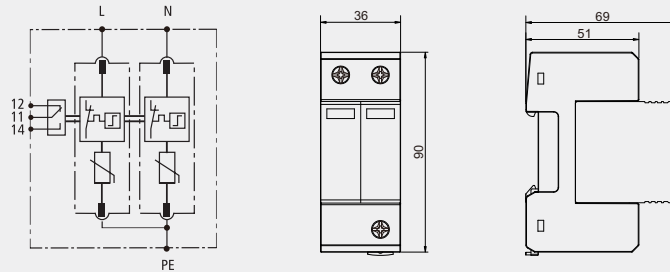


# TY-12.5M 2P

T1+T2 Surge Arrester



■ 2-pole surge arrester is suitable for single phase TN system.

	TY-12.5M 150 2P	TY-12.5M 275 2P	TY-12.5M 320 2P
SPD classification according to EN61643-11	Type 1 + Type 2	Type 1 + Type 2	Type 1 + Type 2
SPD classification according to IEC61643-11	Class I + Class II	Class I + Class II	Class I + Class II
Max. continuous operating a.c. voltage $U_c$	150V	275V	320V
Lightning impulse current (10/350 $\mu$ s) $I_{imp}$	12.5kA	12.5kA	12.5kA
Nominal discharge current (8/20 $\mu$ s) $I_n$	20kA	20kA	20kA
Max. discharge current (8/20 $\mu$ s) $I_{max}$	65kA	65kA	65kA
Voltage protection level $U_p$	$\leq 0.8$ kV	$\leq 1.3$ kV	$\leq 1.5$ kV
Specific energy W/R	39kJ/ $\Omega$	39kJ/ $\Omega$	39kJ/ $\Omega$
Short circuit withstand capacity $I_{sc}$	25kA	25kA	25kA
Temporary overvoltage 5s withstand $T_{ov}$	195V	335V	415V
Max. backup fuse	160A gG	160A gG	160A gG
Response time $t_A$	$\leq 25$ ns	$\leq 25$ ns	$\leq 25$ ns
Operating temperature range $T_u$	-40 $^{\circ}$ C-80 $^{\circ}$ C	-40 $^{\circ}$ C-80 $^{\circ}$ C	-40 $^{\circ}$ C-80 $^{\circ}$ C
Operating state/fault indication	green/red	green/red	green/red
Cross-section area (Min.)	4mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>
Cross-section area (Max.)	35mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>
For mounting on	35mm Din rail		
Enclosure material	Thermal plastic UL94-V0		
Degree of protection	IP20	IP20	IP20