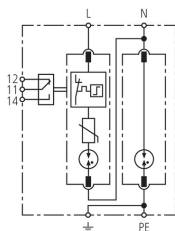


VT1 M 12.5 TT 2P 385 FM (955 328)

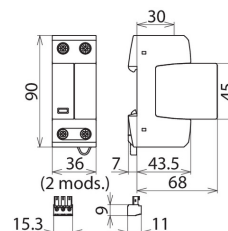
- Compact design and perfect compatibility with discharge capacity and dimensions
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps, I_{imp} up to 12.5kA
- High device reliability due to "Thermo Dynamic Control" arrester monitoring



Figure without obligation



Basic circuit diagram VT1 M 12.5 TT 2P 385 FM



Dimension drawing VT1 M 12.5 TT 2P 385 FM

Modular surge arrester for single-phase TT and TN systems (1+1 configuration); with floating remote signalling contact.

Type	VT1 M 12.5 TT 2P 385 FM
Part No.	955 328
SPD according to GB/T 18802.11 / IEC 61643-11	type 1+2 / class I+II
Nominal voltage (a.c.) (U_n)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N] (U_c)	385 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [N-PE] (U_c)	255 V (50 / 60 Hz)
Nominal discharge current (8/20 μ s) [L-N] (I_n)	20 kA
Nominal discharge current (8/20 μ s) [N-PE] (I_n)	80 kA
Max. discharge current (8/20 μ s) [L-N] (I_{max})	40 kA
Max. discharge current (8/20 μ s) [N-PE] (I_{max})	120 kA
Lightning impulse current (10/350 μ s) [L-N] (I_{imp})	12.5 kA
Lightning impulse current (10/350 μ s) [N-PE] (I_{imp})	50 kA
Specific energy [L-N] (W/R)	39.06 kJ/ohms
Specific energy [N-PE] (W/R)	625 kJ/ohms
Voltage protection level [L-N] (U_p)	≤ 1.7 kV
Voltage protection level [N-PE] (U_p)	≤ 1.5 kV
Response time (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	160 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	25 kA _{rms}
Temporary overvoltage (TOV) (U_T) – Characteristic	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) (U_T) – Characteristic	440 V / 120 min. – withstand
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm ² solid / flexible
Cross-sectional area (max.)	35 mm ² stranded / 25 mm ² flexible
For mounting on	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, grey, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	2 module(s), DIN 43880
Approvals	CQC
Type of remote signalling contact	changeover contact
Switching capacity (a.c.)	250 V / 0.5 A
Switching capacity (d.c.)	250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A
Cross-sectional area for remote signalling terminals	max. 1.5 mm ² solid / flexible
Weight	308 g
GTIN	6942299504668
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.