

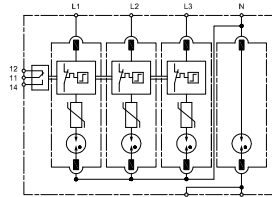
# Product Data Sheet: VT1 M CN

## VT1 M TT 385 CN FM (955 426)

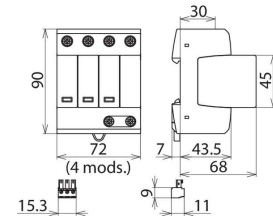
- Compact design and perfect compatibility with discharge capacity and dimension
- High discharge capacity due to heavy-duty zinc oxide varistor, limp up to 12.5kA
- High reliability due to "Thermo Dynamic Control" SPD monitoring device



Figure without obligation



Basic circuit diagram VT1 M TT 385 CN FM



Dimension drawing VT1 M TT 385 CN FM

Modular surge arrester for use in TNS, TT systems (3+1 circuit); with floating remote signalling contact.

Type	VT1 M TT 385 CN FM
Part No.	955 426
SPD according to GB 18802.1-2011 / IEC 61643-11	type 1+2 / class I+II
Nominal voltage (a.c.) ( $U_n$ )	230/400 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) ( $U_c$ )	385 V (50 / 60 Hz)
Nominal discharge current (8/20 $\mu$ s)[L-N]/[N-PE] ( $I_n$ )	20/80 kA
Max. discharge current (8/20 $\mu$ s)[L-N]/[N-PE] ( $I_{max}$ )	40/120 kA
Lightning impulse current (10/350 $\mu$ s)[L-N]/[N-PE] ( $I_{imp}$ )	12.5/50 kA
Specific energy [L-N]/[N-PE] (W/R)	39.06/625 kJ/ohms
Voltage protection level [L-N]/[N-PE] ( $U_p$ )	$\leq 1.7/1.5$ kV
Response time ( $t_a$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	160 A gG
Short-circuit withstand capability for max. mains-side overcurrent protection ( $I_{SCCR}$ )	25 kA <sub>rms</sub>
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic	440 V / 120 min. – withstand
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (min.)	1.5 mm <sup>2</sup> solid / flexible
Cross-sectional area (max.)	35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> 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	4 module(s), DIN 43880
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 <sup>2</sup> solid / flexible
Weight	588 g
Customs tariff number	6942299504729
PU	1pc(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.