

Data sheet

16003.2 CP VH 40-1



Overvoltage arrester type 2, Consisting of base element and protective plug with high-performance varistor, remote signalling contact, Mounting type: Mounting rail TS 35, 1-channel, Rated voltage: 230 VAC

Business data

Article number	<u>16003.2</u>
Article name	CP VH 40-1
GTIN (EAN)	4044211144500
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	106.1 g
Weight per piece (including packaging)	117.4 g
Unit of weight	G
Customs number	85354000
Country of origin	CN
Product description	Overvoltage arresters

Technical data

Dimensions

Length	100.6 mm
Width	18 mm
Height	70 mm
Installation dimensions acc. to DIN 43880	1 Te

Ratings

Rated voltage U_n	230 / 400 -
Rated discharge surge current I_n (8/20) μ s	20 kA
Rated frequency min.	50 Hz
Rated frequency max.	60 Hz
Short-circuit resistance I_p	25 kA

Connection data

Connection principle	Screw connection
Wire cross-section single core (rigid), min.	4 mm ²
Wire cross-section single-core (rigid), max.	25 mm ²
Wire cross-section stranded, min.	4 mm ²
Wire cross-section stranded, max.	25 mm ²
Wire cross-section stranded with wire-end ferrules, min.	25 mm ²
Wire cross-section stranded with wire-end ferrules, max.	4 mm ²

Output data

Switching current, max. at 30 V DC	2 A
Switching current, max. at 250 V AC	0.5 A
Remote signalling	Potential-free CO contact
Remote signalling: Wire cross-section single-core (rigid), max.	1,5 mm ²

Materials

Insulation housing	Thermoplastic
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	85 °C

Technical data

Further technical data

Protection class	IP20
Response time t_A	<25 ns
Max. continuous voltage U_c	280 V
Discharge current I_{max} (8/20) μs , max.	40 kA
Protection level U_p	<1,25 kV
Residual voltage U_{res} (5 kA)	<0,5 kV
Operating current I_c	<1 mA
Follow-on current I_f	None
Follow-on current extinguishing capacity I_{fi}	Infinite
TOV voltage U_t (L-N)	340 V / 5 s
Series fuse, max.	125 gL A
Malfunction display	Mechanical, red
Type of mains network	TNC, TNS

Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2023-01-17
REACH Candidate Substance Note	No
RoHS Conform	yes

Approvals

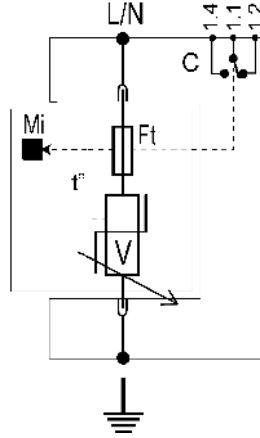
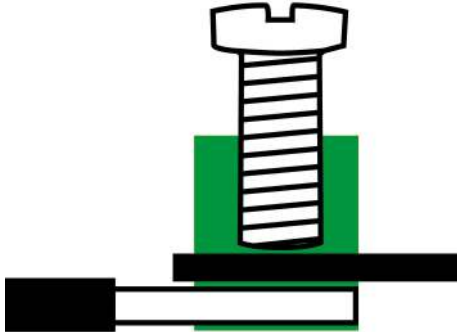
Standards and regulations

DIN EN 61643-11 (Germany)	Arrester type 2
EN 61643-11 (Europe)	Low voltage SPD - Class II test
IEC 61643-1 (International)	Low voltage SPD - Class II test
UL1449 ed.2 (USA)	Low voltage TVSS

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Media



Accessories
