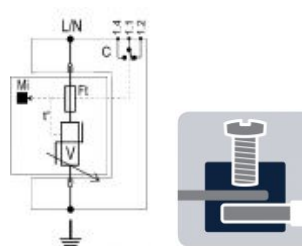


16003.2

CP VH 40-1

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

| Product description | Overvoltage arresters |
|--|-----------------------|
| Packaging unit | 1 |
| Quantity unit | PC |
| Weight per piece (not including packaging) | 106.1 |
| Weight per piece (including packaging) | 117.4 |
| Unit of weight | G |
| Customs number | 85354000 |
| Country of origin | FR |

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CP VH 40-1

Technical Data

Dimensions

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

Ratings

| | |
|---|-----------|
| Rated voltage Un | 230 / 400 |
| Rated discharge surge current In (8/20) μ s | 20 kA |
| Rated frequency min. | 50 Hz |
| Rated frequency max. | 60 Hz |
| Short-circuit resistance Ip | 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 |

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Technical Data

Connection data

| | |
|--|--------------------|
| 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 |
|---------------------------|-------|

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Technical Data

Further technical data

| | |
|---|-----------------|
| Protection class | IP20 |
| Response time t_A | <25 ns |
| Max. continuous voltage | 280 V |
| Discharge current I_{max} (8/20) μ s, 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 |

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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

