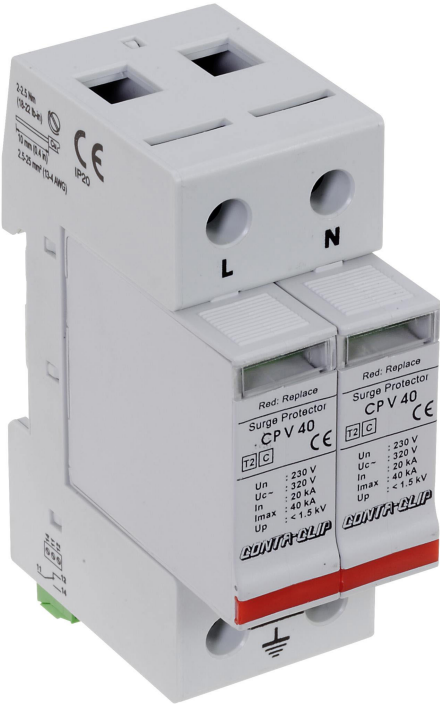


# Data sheet

## 16004.2 CP VH 40-2



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

### Business data

|  |                       |
|--|-----------------------|
| Article number                             | 16004.2               |
| Article name                               | CP VH 40-2            |
| GTIN (EAN)                                 | 4044211144517         |
| Packaging unit                             | 1                     |
| Quantity unit                              | PC                    |
| Weight per piece (not including packaging) | 199.8 g               |
| Weight per piece (including packaging)     | 215.9 g               |
| Unit of weight                             | G                     |
| Customs number                             | 85354000              |
| Country of origin                          | CN                    |
| Product description                        | Overvoltage arresters |

# Data sheet

## 16004.2 CP VH 40-2

### Technical data

#### Dimensions

|   |          |
|---|----------|
| Length                                    | 100.6 mm |
| Width                                     | 36 mm    |
| Height                                    | 70 mm    |
| Installation dimensions acc. to DIN 43880 | 2 Te     |

#### Ratings

|   |             |
|---|-------------|
| Rated voltage Un                                | 230 / 400 - |
| Rated discharge surge current In (8/20) $\mu$ s | 40 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 <sup>2</sup>  |
| Wire cross-section single-core (rigid), max.             | 25 mm <sup>2</sup> |
| Wire cross-section stranded, min.                        | 4 mm <sup>2</sup>  |
| Wire cross-section stranded, max.                        | 25 mm <sup>2</sup> |
| Wire cross-section stranded with wire-end ferrules, min. | 25 mm <sup>2</sup> |
| Wire cross-section stranded with wire-end ferrules, max. | 4 mm <sup>2</sup>  |

#### 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 <sup>2</sup>       |

#### Materials

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

# Data sheet

## 16004.2 CP VH 40-2

### 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) $\mu s$ , max. | 80 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 A           |
| Malfunction display                               | Mechanical, red |
| Type of mains network                             | TN (2+0)        |

#### Environmental Product Compliance

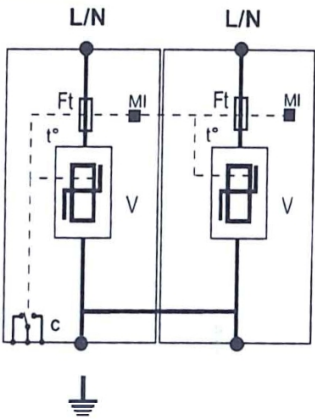
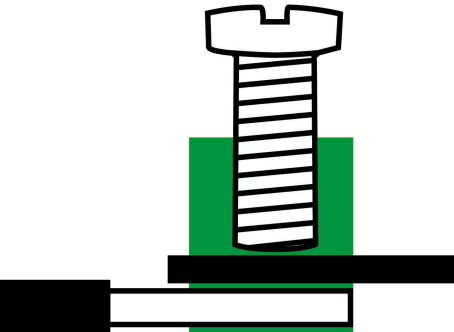
|                                |            |
|--------------------------------|------------|
| REACH Conform                  | yes        |
| REACH Reference date           | 2023-06-14 |
| REACH Candidate Substance Note | No         |
| RoHS Conform                   | yes        |

**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                |

**Media**



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**Accessories**

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