# PV-FT-CCM-C-4-260-BK-SP - Device connector front mounting

1628093

https://www.phoenixcontact.com/us/products/1628093

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CRIMP



Device connector front mounting, Range of articles: SUNCLIX, number of positions: 1, rated current: 35 A, Connection method: Crimp, cable length: 260000

## Commercial data

| | |
|---|---|
| Item number | 1628093 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Product key | ABLBAA |
| GTIN | 4055626380223 |
| Weight per piece (including packing) | 13.83 g |
| Weight per piece (excluding packing) | 13.83 g |
| Country of origin | DE |

## Technical data

### Notes

Safety note

| | |
|---|---|
| Safety note | • WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product. |

### Product properties

| | |
|---|---|
| Product type | Panel feed-through |
| Product family | SUNCLIX |
| Number of positions | 1 |

Insulation characteristics

| | |
|---|---|
| Degree of pollution | 2 |

### Connection data

Connection technology

| | |
|---|---|
| Connection method | Crimp |

Conductor connection

| | |
|---|---|
| Tightening torque | 1.8 Nm ±0.1 Nm |

### Dimensions

| | |
|---|---|
| Width | 26.3 mm |
| Height | 26.3 mm |
| Length | 41.5 mm |

### Electrical properties

| | |
|---|---|
| Rated voltage (III/2) | 1000 V |
| Rated surge voltage (III/2) | 12 kV |
| Rated current (4.0 mm²) | 35 A |
| Contact resistance | ≤ 0.45 mΩ (when plugged in (without cable)) |

### Mechanical properties

Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | 100 |
| Insertion force | 45 N ±10 N |
| Withdrawal force | 250 N ±50 N (when locked) |

## Material specifications

| | |
|---|---|
| Color of the housing part | black |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | III |
| Contact surface | Silver Ag |
| Cable seal material | Elastosil LR 3065/50 |
| Contact material | Cu |
| Contact surface material | Ag |
| Outer sheath, material | PE-X |

## Cable/line

| | |
|---|---|
| Cable length | 260 m |
| Cable type | S02 |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | 56x0.3 |
| Cable type | Hose line |
| Cable structure | 56 x 0.30 mm Ø litz wires, tin-plated, 1x bunched |
| External cable diameter | 4.60 mm ±0.15 mm |
| Outer sheath, material | PE-X |
| External sheath, color | black RAL 9005 |
| Single wire, material | Cu |
| Cable cross section | 4 mm² |
| Nominal voltage, cable | 1.8 kV DC (max U (conductor / conductor, ungrounded system)) |
| Test voltage, cable | ≥ 8 kV AC (Spark test online (standard designation)) |
| Smallest bending radius, fixed installation | 23 mm (5x Ø) |
| Smallest bending radius, movable installation | 46 mm (10x Ø) |
| Halogen-free | yes |
| Resistance to oil | no |
| Flame resistance | no |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Degree of protection (when plugged in) | IP66/IP68 (2 m / 24 h) |
| Degree of protection (not plugged in) | IP20 |
| Ambient temperature (operation) (male connector/female connector) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | -25 °C ... 50 °C |
| Resistance to oil | no |

## Standards and regulations

| | |
|---|---|
| Flame resistance | no |
| Resistance to oil | no |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440107 |
| ECLASS-15.0 | 27440107 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC002635 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |


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