# PV-FT-C2M-HSG - Photovoltaic connector

1704925

https://www.phoenixcontact.com/us/products/1704925

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

CRIMP



Photovoltaic connector, Range of articles: SUNCLIX, color: black, number of positions: 1, rated voltage: 1000 V DC, rated current: 40 A, Connection method: Crimp

## Your advantages

- High yield, thanks to silver-plated contacts
- Patented UNLOCK system allows smaller center distances as well as convenient release
- Unique SUNCLIX pin connector pattern

## Commercial data

| | |
|---|---|
| Item number | 1704925 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales key | AB02 |
| Product key | ABLBAB |
| GTIN | 4046356746243 |
| Weight per piece (including packing) | 6.68 g |
| Weight per piece (excluding packing) | 6.23 g |
| Customs tariff number | 85359000 |
| Country of origin | DE |

# Technical data

## Product properties

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

### Insulation characteristics

| | |
|---|---|
| Protection class | II |
| Degree of pollution | 2 |

## Connection data

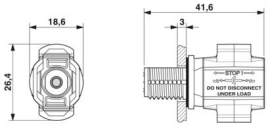
### Connection technology

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

### Conductor connection

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

## Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 18.6 mm |
| Height | 26.4 mm |
| Length | 41.6 mm |

## Electrical properties

| | |
|---|---|
| Rated voltage (III/2) | 1000 V |
| Rated voltage | 1000 V DC (II/2) in accordance with IEC 62852:2014/AMD1:2020 |
| Rated surge voltage | 16 kV |
| Rated surge voltage (III/2) | 12 kV |
| Rated current (6.0 mm²) | 40 A (in accordance with IEC 62852:2014/AMD1:2020) |
| Rated current (4.0 mm²) | 35 A (in accordance with IEC 62852:2014/AMD1:2020) |
| Rated current (2.5 mm²) | 27 A (in accordance with IEC 62852:2014/AMD1:2020) |
| Contact resistance | < 0.45 mΩ (depending on the mating connector used) |

## Mechanical properties

### Mechanical data

| | |
|---|---|
| Insertion/withdrawal cycles | 100 |
| Insertion force | 45 N ±10 N (with installed contacts) |
| Withdrawal force | 250 N ±50 N |

## Material specifications

| | |
|---|---|
| Color | black |
| Color of the housing part | black |
| Material Housing | PPE |
| Material Contact carrier | PPE |
| Material Contact | Cu |
| Material Seal | EPDM |
| Material Contact surface | Ag |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | III |
| Insulating material | mPPE |

## Cable/line

| | |
|---|---|
| Cable pull-out force | > 80 N |

## Environmental and real-life conditions

### Ambient conditions

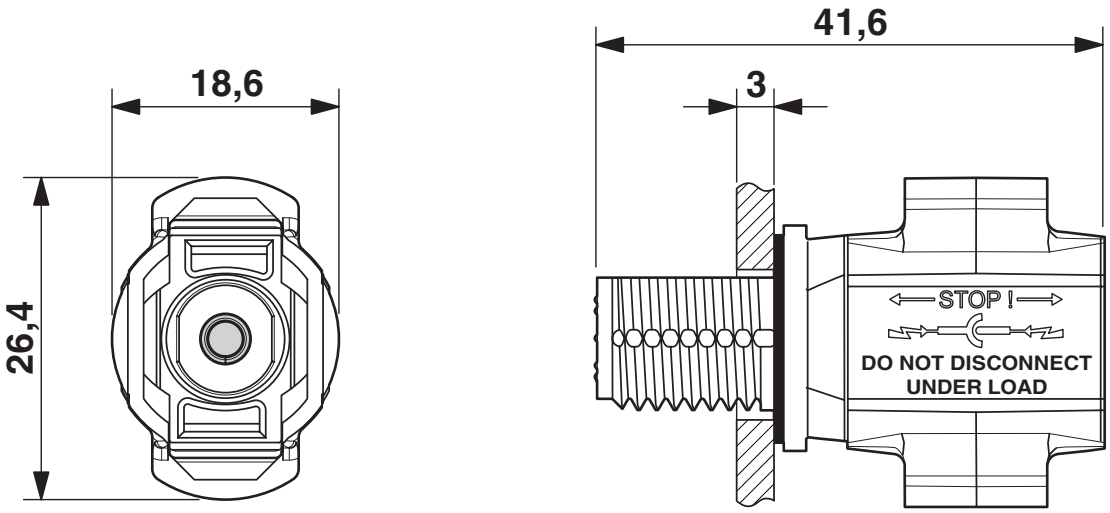
| | |
|---|---|
| Degree of protection | IP66/IP68 (2 m / 24 h) (plugged in) |
| | IP20 (Not plugged in) |
| | IP66/IP68 (2 m / 24 h) |
| Ambient temperature (operation) (male connector/female connector) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | -25 °C ... 50 °C |

## Standards and regulations

| | |
|---|---|
| Standards/specifications | IEC 62852:2014/AMD1:2020 |

## Drawings

Dimensional drawing



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1704925

**TÜV Rheinland**
Approval ID: R 60165003-0001

## Classifications

### ECLASS

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

### ETIM

| | |
|---|---|
| ETIM 10.0 | 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.) | Triphenyl phosphate(CAS: 115-86-6) |


Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com



Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com