# HC-STA-A03PT-BWS-HS-M20-PLRBK - Connector set

1424447

https://www.phoenixcontact.com/us/products/1424447

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Connector set, number of positions: 3, material: PA, connection method: Push-in connection, connection cross section: AWG 26- 16, cable outlet: lateral

## Commercial data

| | |
|---|---|
| Item number | 1424447 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF63 |
| Product key | AF7AFX |
| GTIN | 4055626372761 |
| Weight per piece (including packing) | 91.8 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

## Set consists of

### HC-A03-I-PT-M - Contact insert

1585252

https://www.phoenixcontact.com/us/products/1585252



Contact insert, number of positions: 3+PE, size: D7, number of connections per position: 1, Pin, Push-in connection, 230 V/400 V, 10 A, 0.14 $mm^2$ ... 1.5 $mm^2$

### HC-A03-I-PT-F - Contact insert

1585265

https://www.phoenixcontact.com/us/products/1585265



Contact insert, number of positions: 3+PE, size: D7, number of connections per position: 1, Socket, Push-in connection, 230 V/400 V, 10 A, 0.14 $mm^2$ ... 1.5 $mm^2$

## HC-STA-D07-BWS-PL-BK - Housing

1419265

https://www.phoenixcontact.com/us/products/1419265



Panel mounting base D7, with single locking latch, material: PA, height: 25.5 mm, cable gland: none, Standard

## HC-STA-D07-HHFS-1SGM20-PL-BK - Housing

1419257

https://www.phoenixcontact.com/us/products/1419257



Sleeve housing D7, for single locking latch, material: PA, cable outlets: 1, lateral, M20, height: 54.5 mm, cable gland: with, Standard

# Technical data

## Product properties

| | |
|---|---|
| Product type | Connector set |
| Housing type | Complete housing |
| Application | Standard |
| Type | D7 |
| Number of positions | 3 |
| No. of cable outlets | 1 |
| Protective cover | no |
| Cable outlet | lateral |

### Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

## Electrical properties

| | |
|---|---|
| Rated voltage (III/3) | 230 V (Conductor-PE) |
| | 400 V (Conductor-Conductor) |
| Rated voltage for power contacts | 230/400 V |
| Rated surge voltage | 4 kV |
| Rated current | 10 A |
| Nominal voltage $U_N$ | 230 V |
| Nominal current $I_N$ | 10 A |

## Connection data

| | |
|---|---|
| Connection method | Push-in connection |
| Connection technology | Push-in connection |
| Conductor cross-section | 0.14 mm² ... 1.5 mm² (with ferrule) |
| | 0.14 mm² ... 1.5 mm² (with ferrule) |
| Connection cross section AWG | 26 ... 16 (with ferrule) |
| Stripping length of the individual wire | 10 mm |

## Dimensions

### Installation dimensions

| | |
|---|---|
| Width of the assembly cutout | 21 mm |
| Length of the assembly cutout | 21 mm |

## Material specifications

| | |
|---|---|
| Flammability rating according to UL 94 | V0 |
| Material grommet GRP | NBR, conductive |
| Housing material | PA |
| Contact material | Copper alloy |
| Contact surface material | Ag |

| | |
|---|---|
| Contact carrier material | PC |
| Locking latch material | PA |

## Cable/line

| | |
|---|---|
| External cable diameter | 4 mm ... 10 mm |

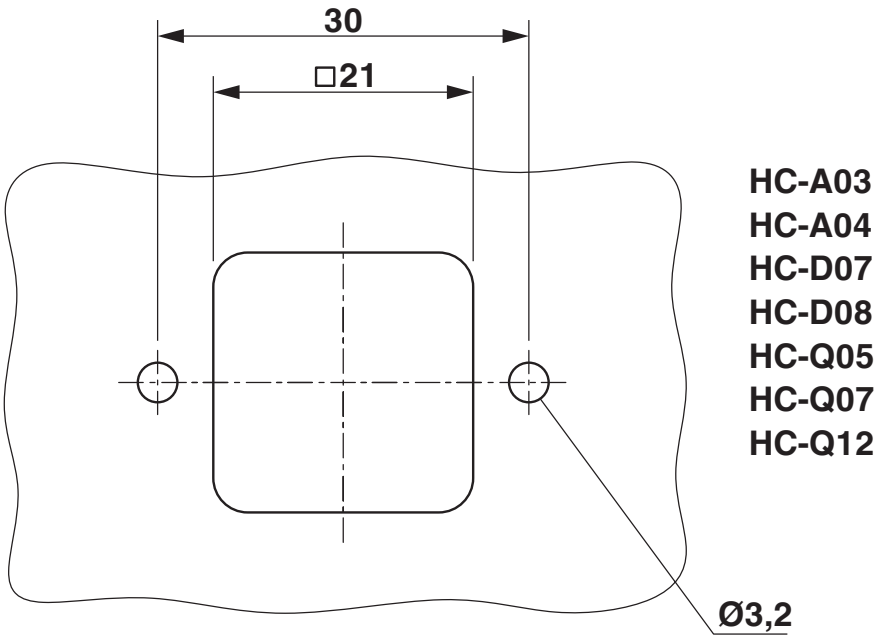
## Environmental and real-life conditions

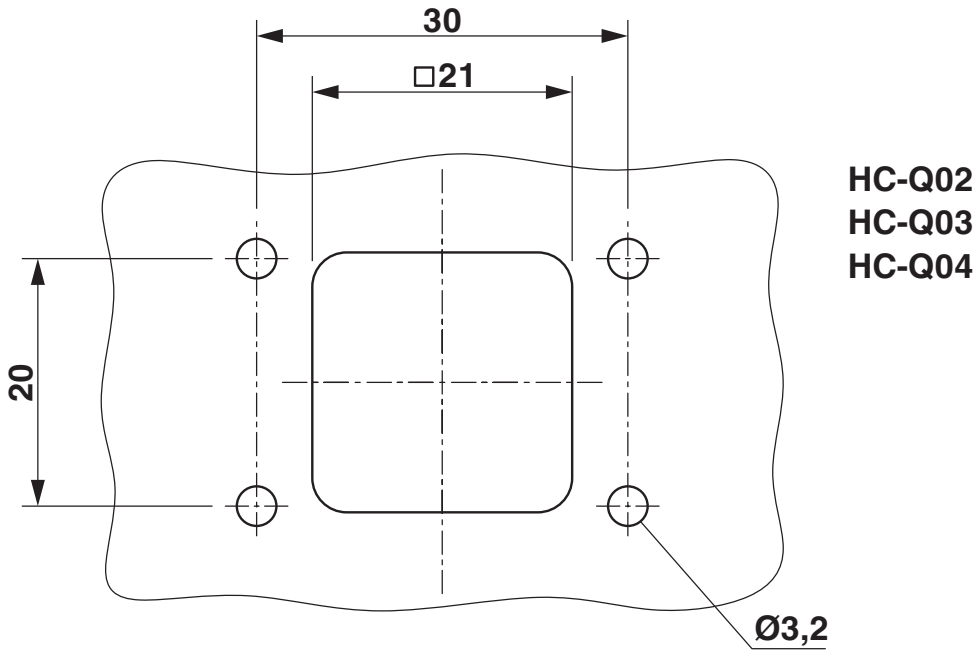
### Ambient conditions

| | |
|---|---|
| Degree of protection | IP66 |
| Enclosure rating (NEMA) | 12 (UL 50e) |
| Impact strength | IK06 |
| Ambient temperature (operation) | -40 °C ... 125 °C |

## Drawings

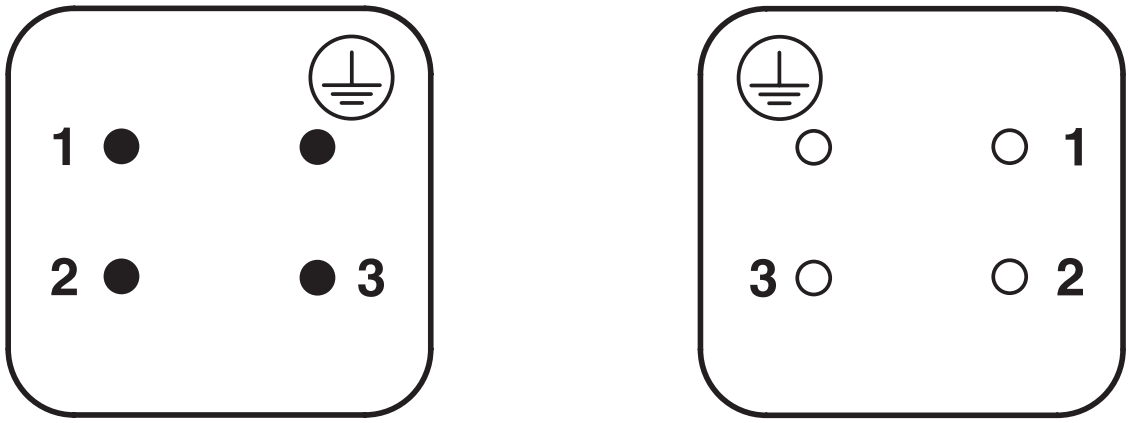
Dimensional drawing



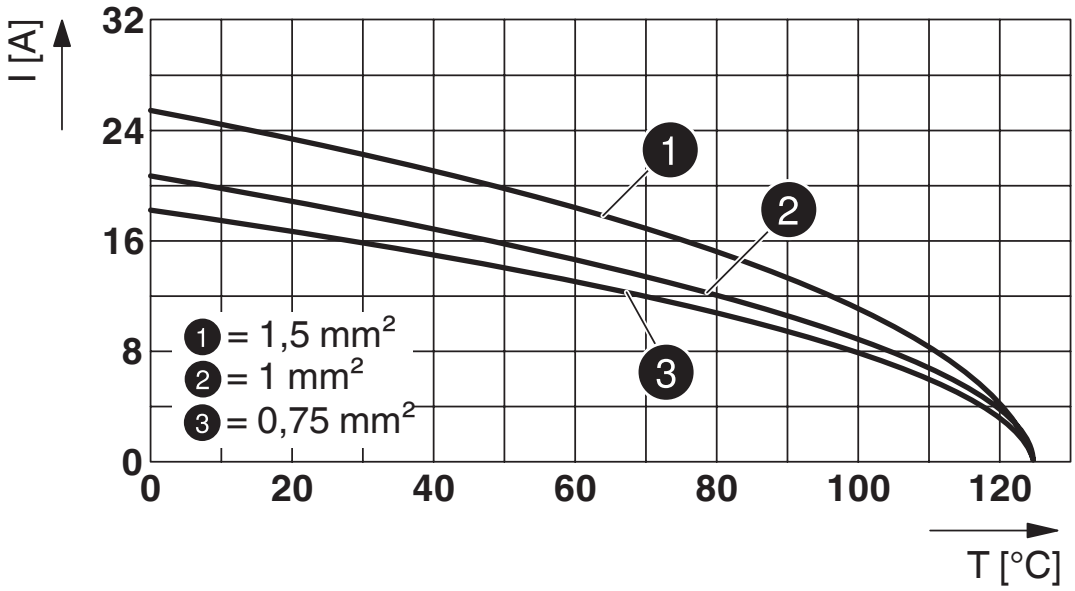

Mounting cutout

Schematic diagram




Pin assignment, connection side, pin left, socket right

Diagram




Derating diagram

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1424447

**DNV**
Approval ID: TAE000037S

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440113 |
| ECLASS-15.0 | 27440113 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002636 |

### 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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