

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1424447 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF63 |
| Product key | BF7AFX |
| 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 |

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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 mm² ... 1.5 mm²

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 mm² ... 1.5 mm²

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1424447

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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

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Technical data

Product properties

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

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 |

Connection data

| | |
|---|---|
| Connection method | Push-in connection |
| Connection technology | Push-in connection |
| Conductor cross section | 0.14 mm ² ... 1.5 mm ² (with ferrule) |
| | 0.14 mm ² ... 1.5 mm ² (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 |
| Seal material | NBR, conductive |
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |
| Locking latch material | PA |
| Impact strength | IK06 |
| Housing material | PA |

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Cable/line

| | |
|---|----------------|
| External cable diameter () | 4 mm ... 10 mm |
| Stripping length of the individual wire | 10 mm |

Environmental and real-life conditions

Ambient conditions

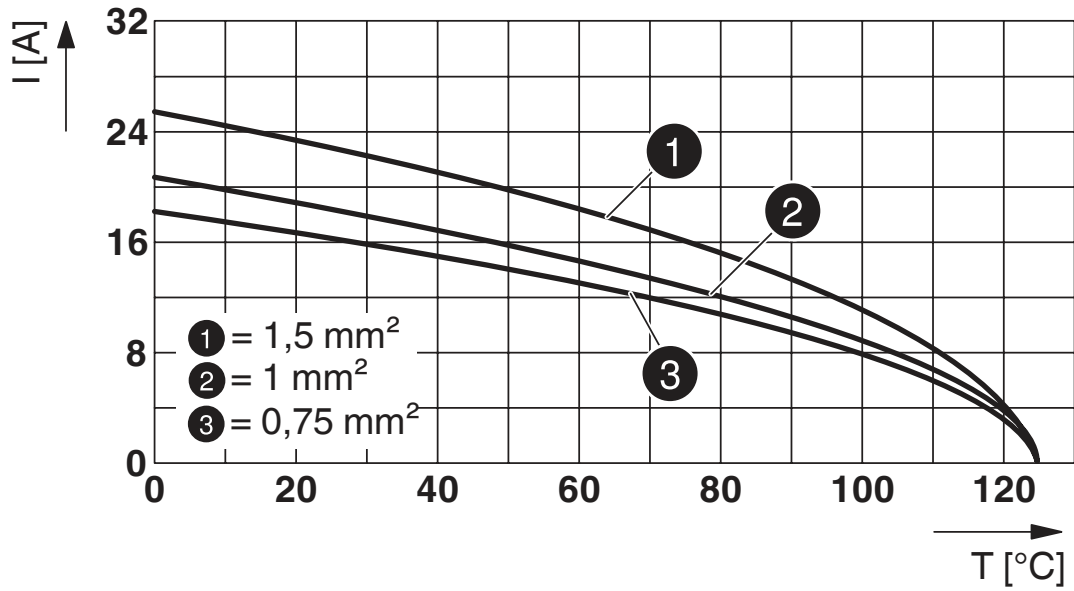
| | |
|---------------------------------|-------------------|
| Degree of protection | IP66 |
| Degree of protection (NEMA) | 12 (UL 50e) |
| Impact strength | IK06 |
| Ambient temperature (operation) | -40 °C ... 125 °C |

Mounting

| | |
|-------------------|--------------------|
| Connection method | Push-in connection |
|-------------------|--------------------|

Drawings

Diagram

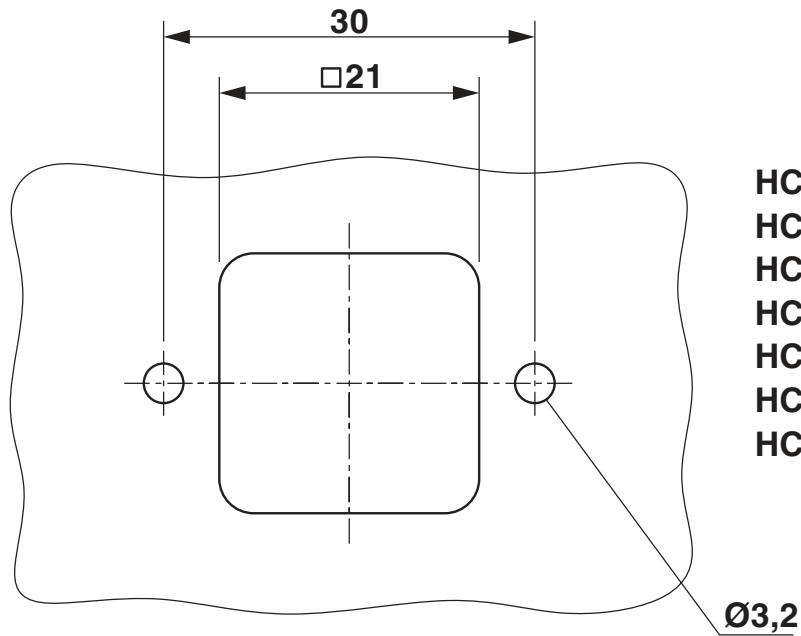


Derating diagram

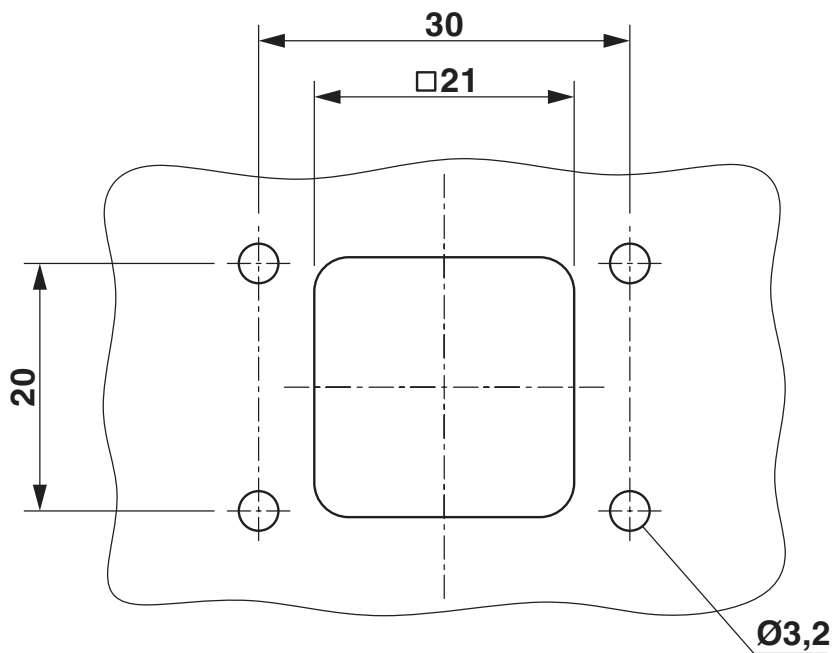
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Dimensional drawing



- HC-A03
- HC-A04
- HC-D07
- HC-D08
- HC-Q05
- HC-Q07
- HC-Q12



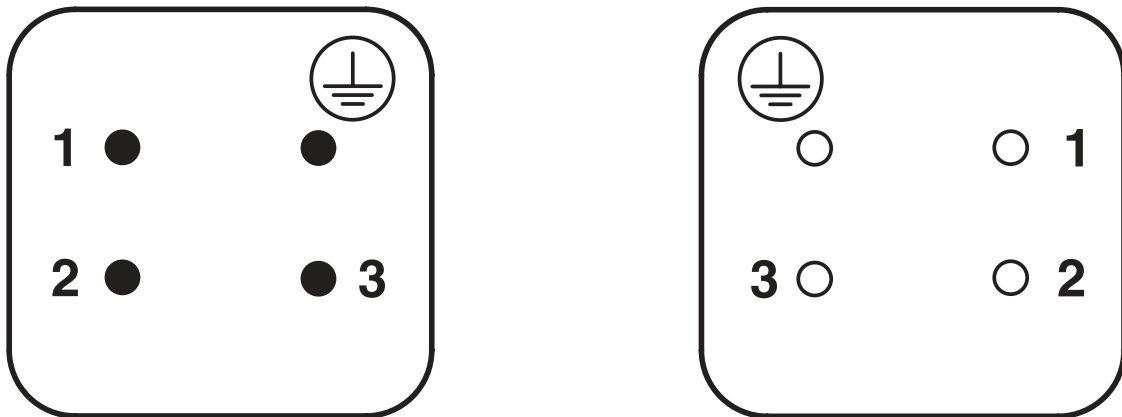
- HC-Q02
- HC-Q03
- HC-Q04

Mounting cutout

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Schematic diagram



Pin assignment, connection side, pin left, socket right

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Approvals

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

DNV

Approval ID: TAE000037S

ENEC

EAC

Approval ID: RU C-DE.BL08.B.00511

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440101 |
| ECLASS-12.0 | 27440113 |
| ECLASS-13.0 | 27440113 |

ETIM

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| ETIM 8.0 | EC002636 |
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UNSPSC

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| UNSPSC 21.0 | 39121400 |
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Environmental product compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values |
|------------|---|

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