

# HC-STA-A03PT-BWS-HT-M20-ELCAL - Connector set



1424449

<https://www.phoenixcontact.com/us/products/1424449>

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Connector set, number of positions: 3, connection method: Push-in connection, connection cross section: AWG 26- 16

## Commercial data

Item number	1424449
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	BF7AFX
GTIN	4055626372785
Weight per piece (including packing)	134.8 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-STA-D07-BWS-EL-AL - Housing

1419249

<https://www.phoenixcontact.com/us/products/1419249>



Panel mounting base D7, with single locking latch, material: Die-cast aluminum, salt water resistant, height: 25.5 mm, cable gland: none, Standard

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### HC-STA-D07-HHFS-1TTM20-EL-AL - Housing

1419229

<https://www.phoenixcontact.com/us/products/1419229>



Sleeve housing D7, for single locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, straight, 1x M20, height: 60.5 mm, cable gland: none, Standard

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## G-INS-M20-S68N-NNES-S - Cable gland

1411163

<https://www.phoenixcontact.com/us/products/1411163>



Cable gland, material for screw connection: Brass, nickel-plated, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver, with O-ring

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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 <sup>2</sup> ... 1.5 mm <sup>2</sup> (with ferrule)
	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (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

Material	Die-cast aluminum, saltwater-resistant
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Locking latch material	PA
Impact strength	IK06

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## Cable/line

External cable diameter ( )	6 mm ... 12 mm
	10 mm ... 12 mm (for UL 514 B)
Stripping length of the individual wire	10 mm

## Environmental and real-life conditions

### Ambient conditions

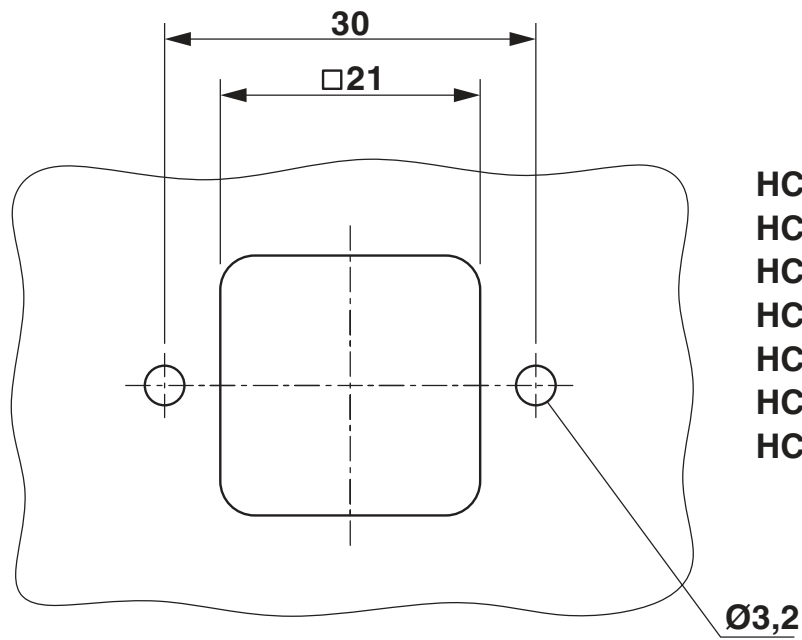
Degree of protection	IP66
	IP67
Degree of protection (NEMA)	4 (UL 50e)
	4X (UL 50e)
	12 (UL 50e)
Impact strength	IK06
Ambient temperature (operation)	-40 °C ... 100 °C

## Mounting

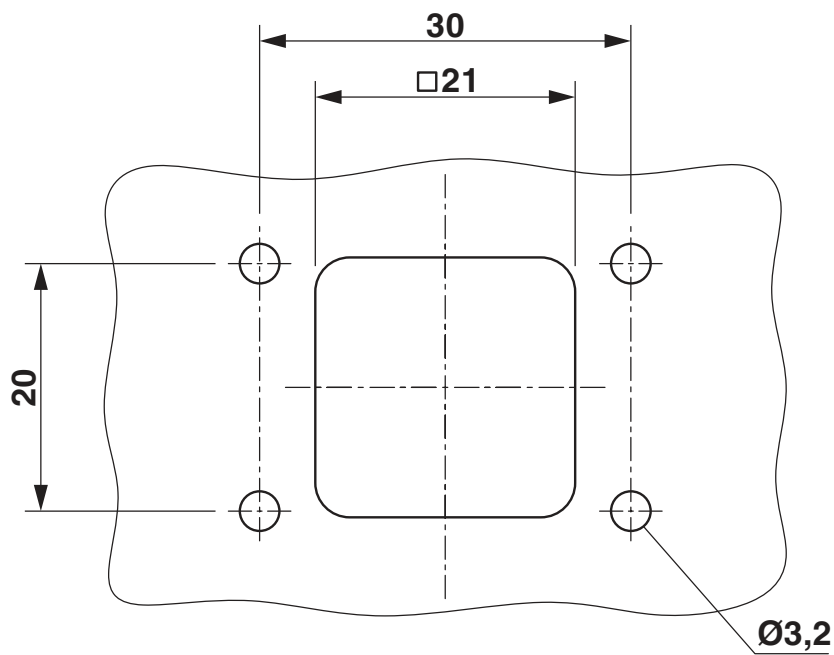
Connection method	Push-in connection
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Drawings

Dimensional drawing



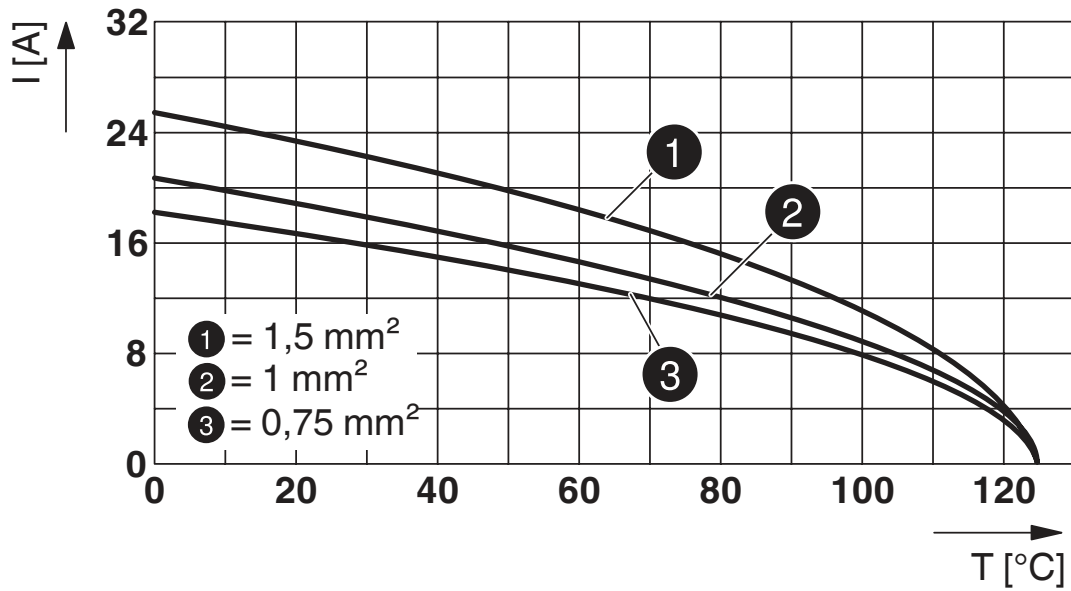
- HC-A03
- HC-A04
- HC-D07
- HC-D08
- HC-Q05
- HC-Q07
- HC-Q12



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

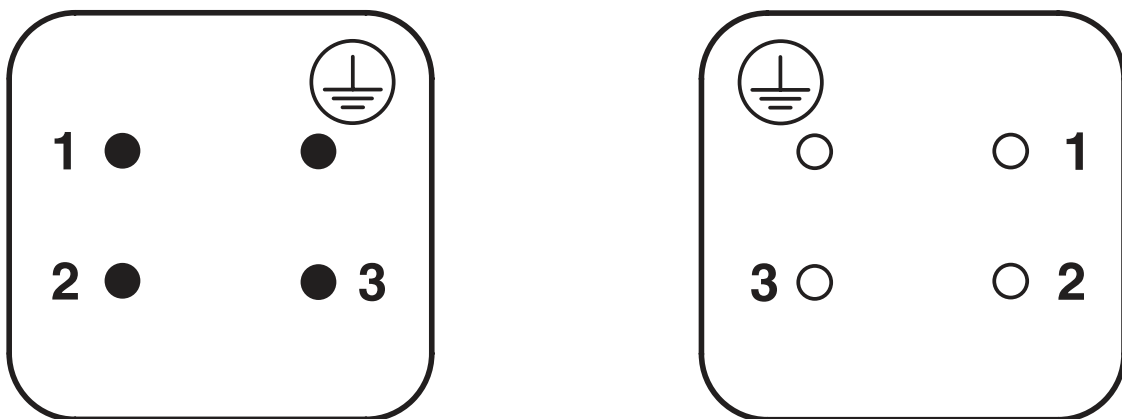
Mounting cutout

Diagram



Derating diagram

Schematic diagram



Pin assignment, connection side, pin left, socket right

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## Approvals

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**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

ETIM 8.0	EC002636
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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