

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	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

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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

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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

Product type	Connector set
Housing type	Complete housing
Application	Standard
Type	D7
Number of positions	3
No. of cable outlets	1
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
Housing material	PA
Contact material	Copper alloy
Contact surface material	Ag
Contact carrier material	PC
Locking latch material	PA

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Cable/line

External cable diameter	4 mm ... 10 mm
Stripping length of the individual wire	10 mm

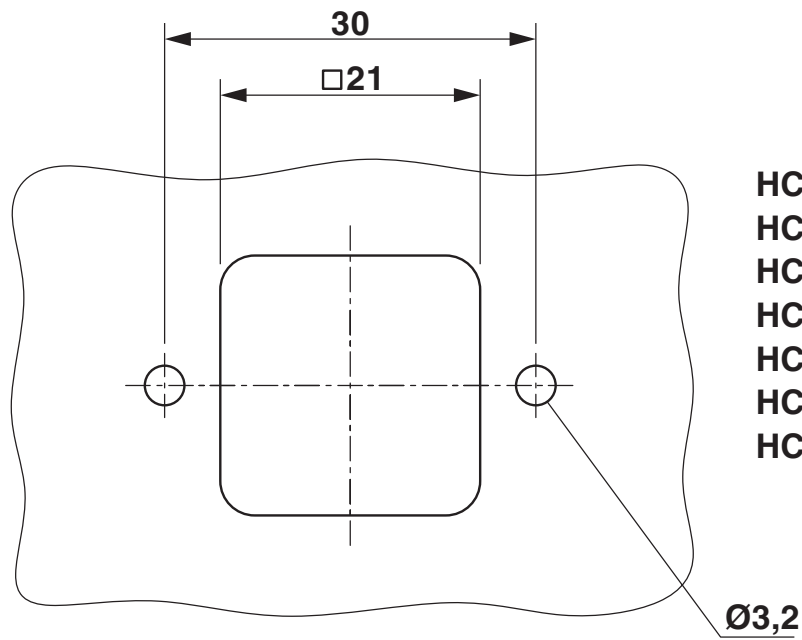
Environmental and real-life conditions

Ambient conditions

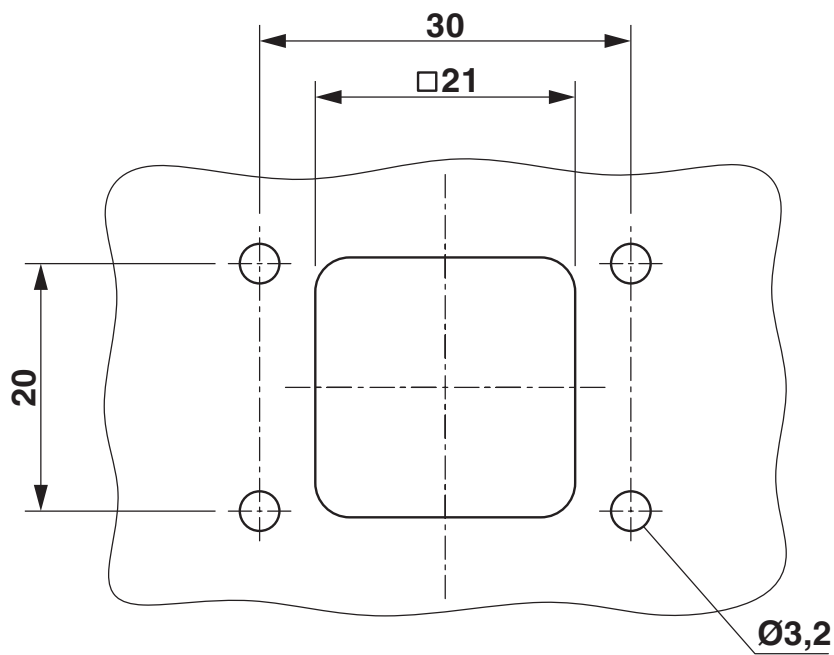
Degree of protection	IP66
Enclosure rating (NEMA)	12 (UL 50e)
Impact strength	IK06
Ambient temperature (operation)	-40 °C ... 125 °C

Drawings

Dimensional drawing



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



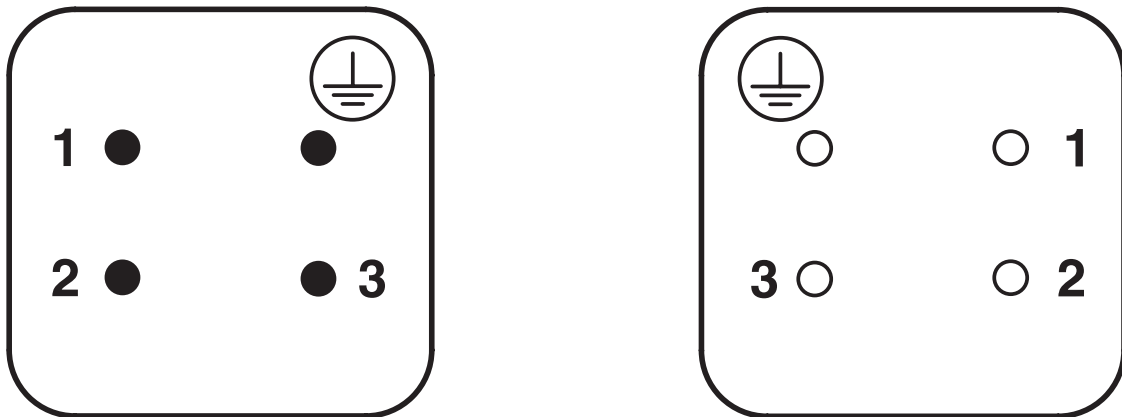
- HC-Q02
- HC-Q03
- HC-Q04

Mounting cutout

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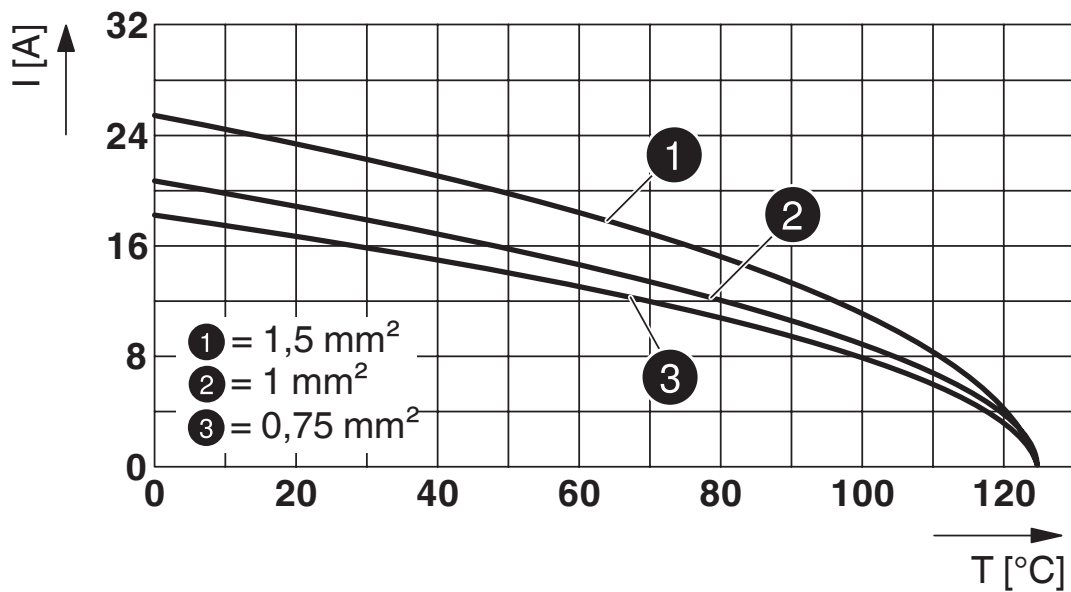
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Schematic diagram



Pin assignment, connection side, pin left, socket right

Diagram



Derating diagram

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Approvals

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

DNV

Approval ID: TAE000037S

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Classifications

ECLASS

ECLASS-13.0	27440113
ECLASS-15.0	27440113

ETIM

ETIM 10.0	EC002636
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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