HC-STA-A03PT-BWS-HS-M20-ELCAL - Connector set

1424451

https://www.phoenixcontact.com/us/products/1424451

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

Commercial data

Item number	1424451
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	AF7AFX
GTIN	4055626372808
Weight per piece (including packing)	133 g
Weight per piece (excluding packing)	135 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-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

HC-STA-D07-HHFS-1STM20-EL-AL - Housing

1419235

https://www.phoenixcontact.com/us/products/1419235



Sleeve housing D7, for single locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, lateral, 1x M20, height: 52.8 mm, cable gland: none, Standard

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, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver-colored, with O-ring

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

Material Housing	Die-cast aluminum, saltwater-resistant
Flammability rating according to UL 94	V0
Material grommet GRP	NBR, conductive
Contact material	Copper alloy
Contact surface material	Ag

Contact carrier material	PC
Locking latch material	PA

Cable/line

External cable diameter	6 mm ... 12 mm
	10 mm ... 12 mm (for UL 514 B)

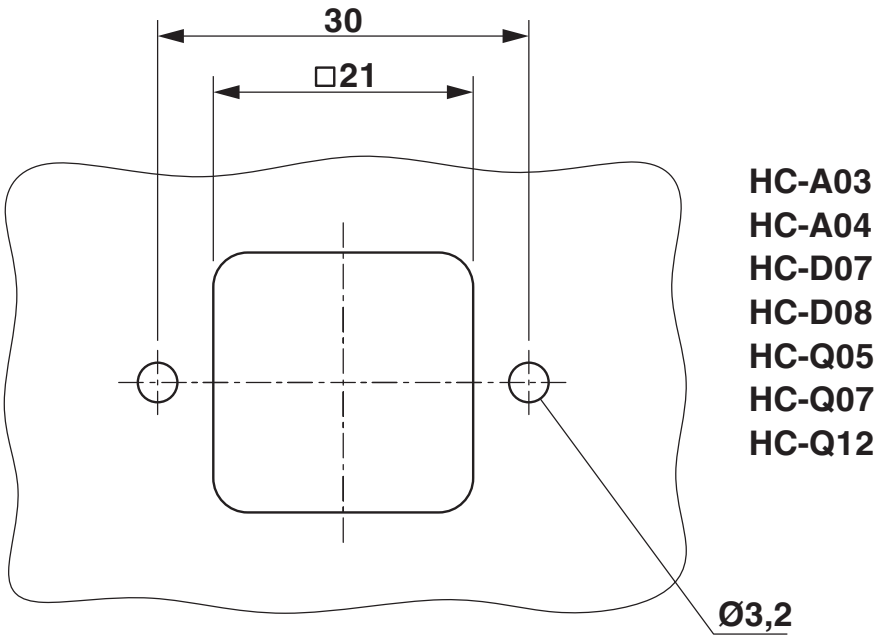
Environmental and real-life conditions

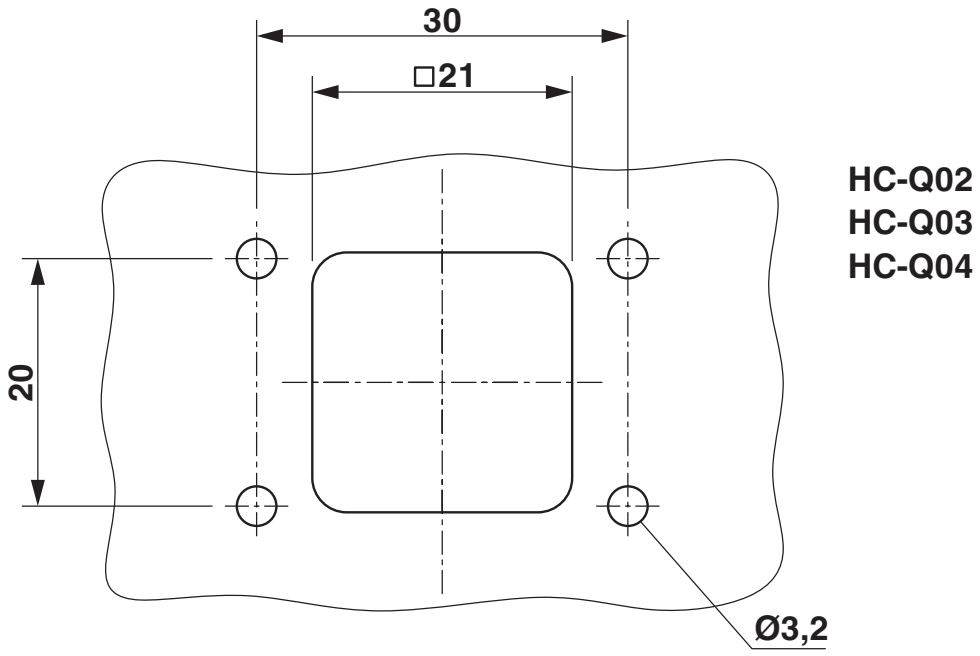
Ambient conditions

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

Drawings

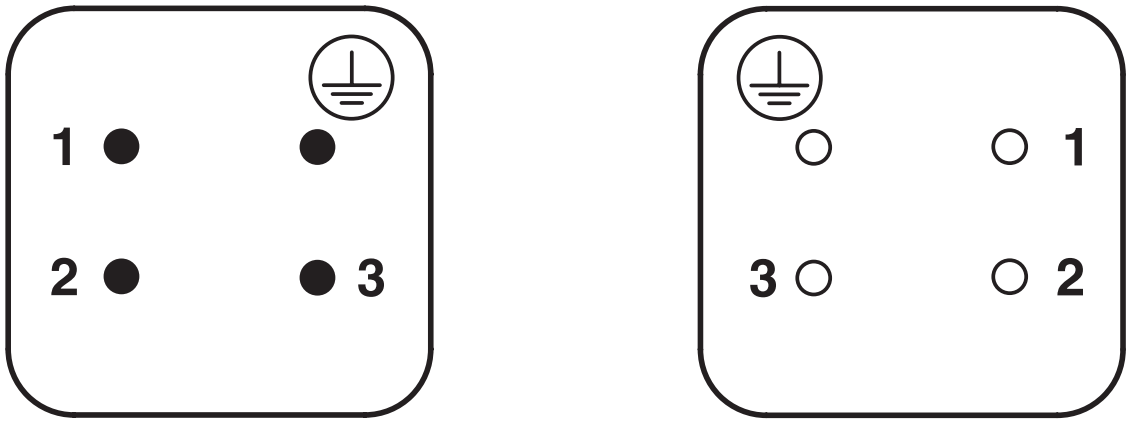
Dimensional drawing





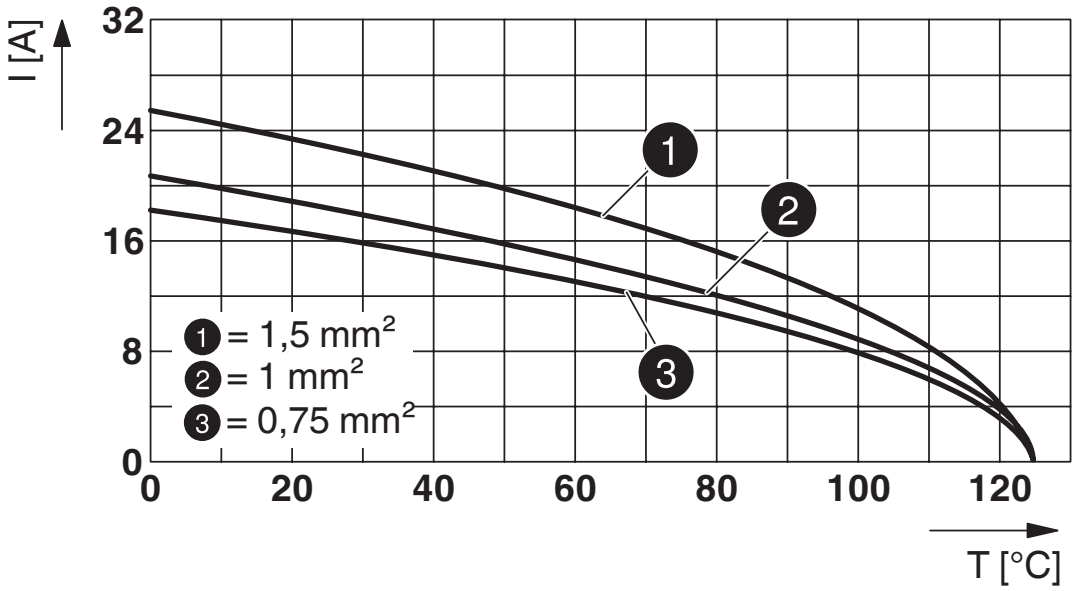
Mounting cutout

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/1424451

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
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	844760ae-52bd-4bcd-a240-c8a42cf80162

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