

1416353

https://www.phoenixcontact.com/us/products/1416353

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector set, number of positions: 6, connection method: Push-in connection, connection cross section: AWG 26- 14, cable outlet: lateral

Commercial data

Item number	1416353
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF63
Product key	AF7AFX
Catalog page	Page 647 (C-2-2019)
GTIN	4055626071244
Weight per piece (including packing)	390.8 g
Weight per piece (excluding packing)	390 g
Customs tariff number	85366990
Country of origin	CN



1416353

https://www.phoenixcontact.com/us/products/1416353

Set consists of

HC-B06-I-PT-F - Contact insert

1407727

https://www.phoenixcontact.com/us/products/1407727



Contact insert, number of positions: 6+PE, size: B6, number of connections per position: 1, Socket, Push-in connection, 500 V, 16 A, 0.14 mm² ... 2.5 mm², application: Power

HC-B06-I-PT-M - Contact insert

1407728

https://www.phoenixcontact.com/us/products/1407728



Contact insert, number of positions: 6+PE, size: B6, number of connections per position: 1, Pin, Push-in connection, 500 V, 16 A, 0.14 $\rm mm^2 \dots 2.5~mm^2$, application: Power



1416353

https://www.phoenixcontact.com/us/products/1416353

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

HC-STA-B06-BWSC-ELC-AL - Housing

1411319

https://www.phoenixcontact.com/us/products/1411319



Panel mounting base B6, with single locking latch, material: Die-cast aluminum, salt water resistant, protective cover material: PC, height: 30.5 mm, cable gland: none, protective cover: yes, Standard, with flat gasket



1416353

https://www.phoenixcontact.com/us/products/1416353

HC-STA-B06-HLFS-1STM20-EL-AL - Housing

1412570

https://www.phoenixcontact.com/us/products/1412570



Sleeve housing B6, for single locking latch, material: Die-cast aluminum, salt water resistant, cable outlets: 1, lateral, 1x M20, height: 52 mm, cable gland: none, Standard



1416353

https://www.phoenixcontact.com/us/products/1416353

Technical data

Product properties

Product type	Connector set
Housing type	Complete housing
Series	HC-B
Application	Standard
Туре	B6
Number of positions	6
Connection profile	6+PE
No. of cable outlets	1
Seal present	yes
Protective cover	yes
Cable outlet	lateral

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated voltage (III/3)	500 V
Rated surge voltage	6 kV
Rated current	16 A

Connection data

Connection method	Push-in connection
Connection technology	Push-in connection
Conductor cross section	0.14 mm ² 2.5 mm ² (with ferrule)
	0.14 mm ² 2.5 mm ² (with ferrule)
Connection cross section AWG	26 14
Tightening torque	0.5 Nm 1.7 Nm (Fixing screws for panel mounting base)
Stripping length	8 mm 10 mm

Dimensions

Dimensional drawing	70 52 04.5 04.5
Width	53 mm
Height	82.5 mm
Length	80.5 mm
Drill hole distance, horizontal	70 mm
Drill hole distance, vertical	32 mm



1416353

https://www.phoenixcontact.com/us/products/1416353

Hole diameter	4.5 mm
Installation dimensions	
Width of the assembly cutout	35 mm
Length of the assembly cutout	52 mm

Material specifications

Material Housing	Die-cast aluminum, saltwater-resistant
Material Protective cover	PA
Flammability rating according to UL 94	V0
Seal material Profile gasket	NBR, conductive
Seal material Flat gasket	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)

Mechanical properties

Mechanical data

Locking type	Latch
Insertion/withdrawal cycles	≥ 500

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66 (with locked protective cover)
	IP67 (when plugged in)
Impact strength	IK08
Ambient temperature (operation)	-40 °C 100 °C

Mounting

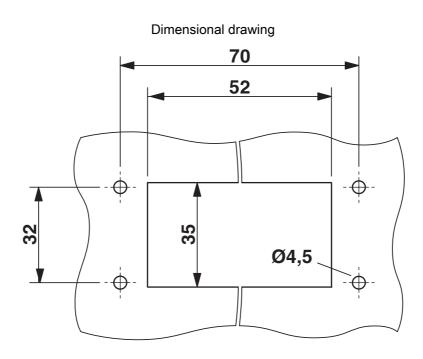
Mounting type	Screw mounting
Assembly note	Coding also using the CP-HC (1686478) coding profiles. HC-B6 / HC-B10for two coding profiles. HC-B16/ HC-B24for four coding profiles.
	Connectors may only be operated when there is no load/the power is switched off. Can be used for solid wires and stranded wires with ferrule.



1416353

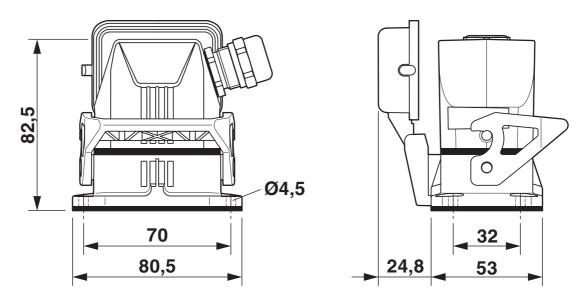
https://www.phoenixcontact.com/us/products/1416353

Drawings



Mounting cutout

Dimensional drawing



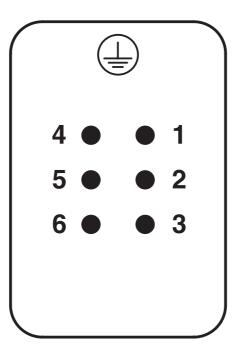
Dimensional drawing



1416353

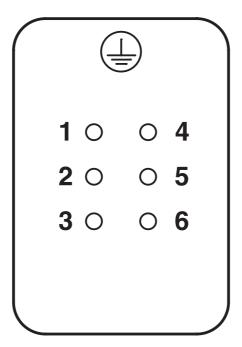
https://www.phoenixcontact.com/us/products/1416353

Schematic diagram



Pin assignment, connection side, pin

Schematic diagram

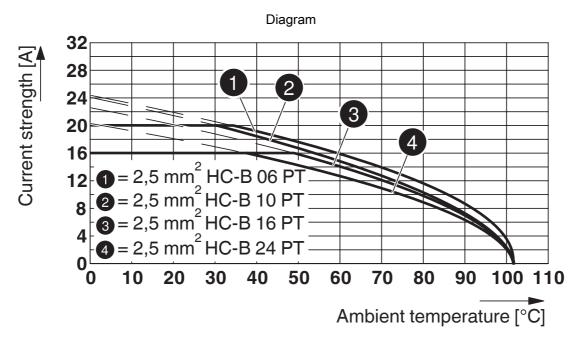


Pin assignment, connection side, socket



1416353

https://www.phoenixcontact.com/us/products/1416353



Derating diagram



1416353

https://www.phoenixcontact.com/us/products/1416353

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1416353

DNV

Approval ID: TAE000037S



EAC

Approval ID: RU C-DE.Al30.B.01102



1416353

https://www.phoenixcontact.com/us/products/1416353

Classifications

UNSPSC 21.0

_	\sim	$\Lambda \cap \cap$
		A.7.7

_`				
	ECLASS-13.0	27440113		
ETIM				
	ETIM 9.0	EC002636		
UNSPSC				

39121400



1416353

https://www.phoenixcontact.com/us/products/1416353

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	c3fa4f17-4480-4b3a-b4e9-67b40a9c65b9

Phoenix Contact 2025 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com