

Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors



1642182

<https://www.phoenixcontact.com/in/products/1642182>

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.

QUICKON cable connector, black, 3+PE-pos., 0.75 mm² ... 1.5 mm² /500 V/15 A, for a cable diameter of 6 mm ... 12 mm.



Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP65/IP67 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Easy and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection

Commercial Data

Item number	1642182
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF6
Product Key	BF6HCC
Catalog Page	Page 474 (C-2-2019)
GTIN	4017918951177
Weight per Piece (including packing)	42.17 g
Weight per Piece (excluding packing)	29.98 g
Customs tariff number	85366990
Country of origin	PL

Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors



1642182

<https://www.phoenixcontact.com/in/products/1642182>

Technical Data

Mounting

Assembly instructions	If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load.
Connection method	QUICKON fast connection

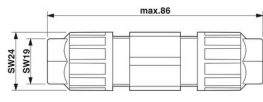
Product properties

Product type	Cable connector
Number of positions	4
Connection profile	3+PE
Position marking	1, 2, 3, PE
Number of connections per position	1
Locking type	without
Coding	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	24 mm
Height	24 mm
Length	86 mm
Diameter	24 mm
Wrench size, union nut	19 mm

External dimensions

Outside diameter	6 mm ... 12 mm
------------------	----------------

Connection data

Connection technology

Connection method	QUICKON fast connection
Connection system, internal	IDC connection
Connection technology	QUICKON connection
Frequency of connections between conductors of the same cross section	10

Conductor connection

Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors



1642182

<https://www.phoenixcontact.com/in/products/1642182>

Conductor cross section rigid	0.75 mm ² ... 1 mm ²
Conductor cross section flexible	0.75 mm ² ... 1.5 mm ²
Conductor cross section AWG	18 ... 16
Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm
Wrench size, contact carrier	24 mm

Electrical properties

Rated surge voltage (II/2)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (III/3)	6 kV
Rated current	15 A
Contact resistance	≤ 5 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	800 V
Rated voltage (III/3)	500 V
Nominal voltage U _N	500 V AC 500 V DC
Nominal current I _N	15 A

Material specifications

Color	black
Material Housing	PA
Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	tin-plated
Contact carrier material	PA

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	6 mm ... 12 mm
Wire diameter including insulation	1.8 mm ... 3 mm
Position marking	1, 2, 3, PE
Material wire insulation	PVC / PE

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature (operation)	-40 °C ... 80 °C (specifications of the cable manufacturer must also be observed)
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)
Ambient temperature (storage/transport)	-40 °C ... 80 °C

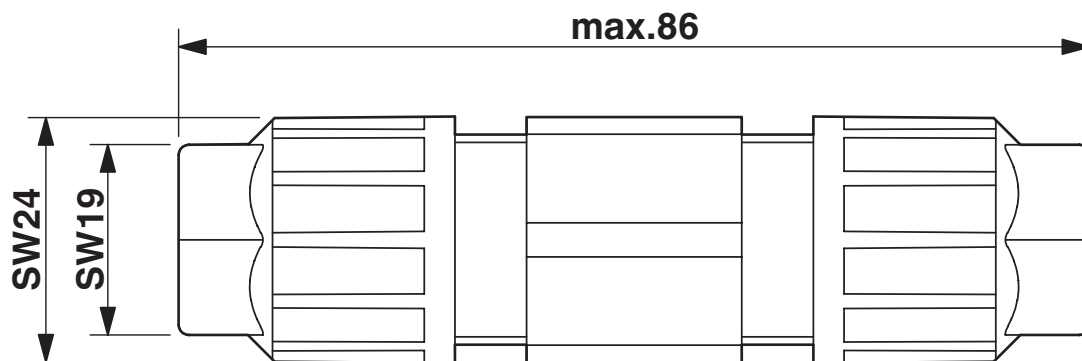
Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors

1642182

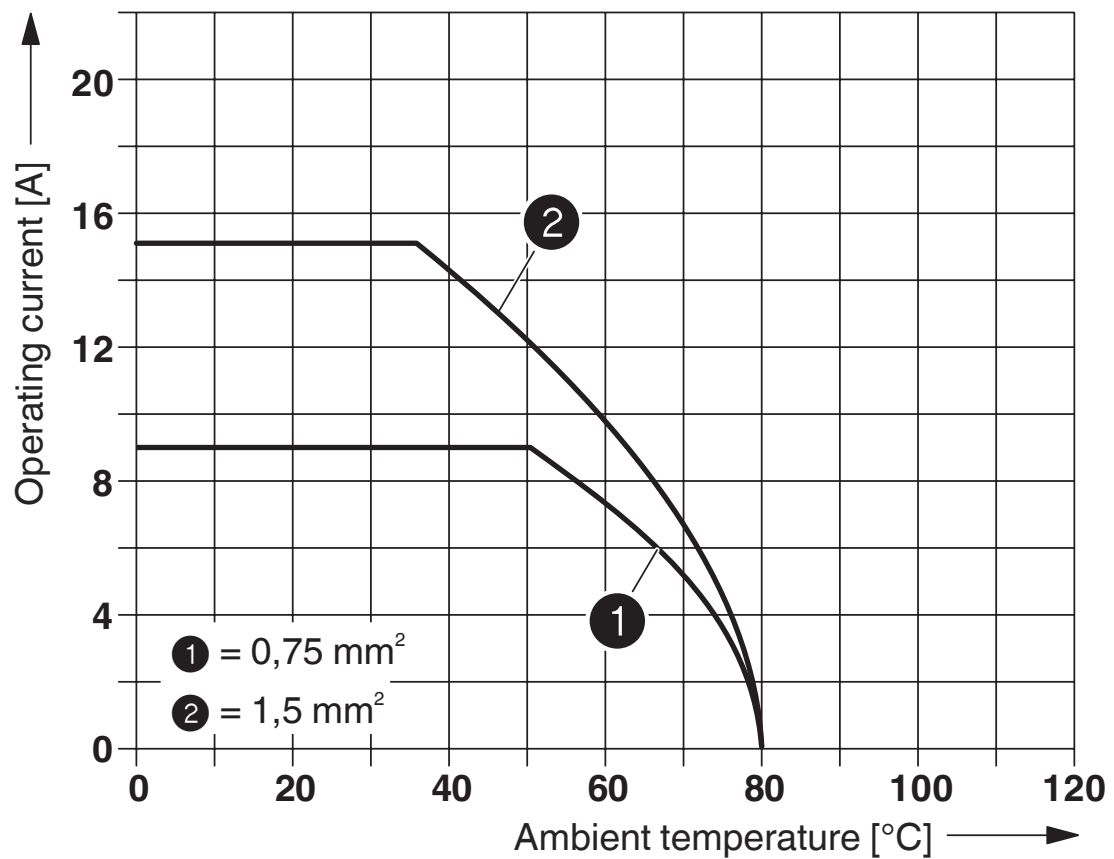
<https://www.phoenixcontact.com/in/products/1642182>

Drawings

Dimensional drawing



Diagram



Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors




1642182


<https://www.phoenixcontact.com/in/products/1642182>


Approvals

 cUL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	11 A	-	-


 UL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	15 A	-	-

 EAC Approval ID: RU C-DE.AI30.B.01102				
---	--	--	--	--

 EAC Approval ID: EAC-Zulassung				
--	--	--	--	--

 VDE Zeichengenehmigung Approval ID: 40032336				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	500 V	-	-	0.75 - 1.5

 EAC Approval ID: RU C-DE.A*30.B.01102				
---	--	--	--	--

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

Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors



1642182

<https://www.phoenixcontact.com/in/products/1642182>

Classifications

ECLASS

ECLASS-11.0	27440605
ECLASS-13.0	27440605
ECLASS-12.0	27440605

ETIM

ETIM 8.0	EC002560
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors



1642182

<https://www.phoenixcontact.com/in/products/1642182>

Environmental Product Compliance

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

Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors



1642182

<https://www.phoenixcontact.com/in/products/1642182>

Accessories

SEALING PLUG 12X22 RD - Closing cap

1400260

<https://www.phoenixcontact.com/in/products/1400260>

Closing cap, color: red



MICROFOX-SB - Diagonal cutter

1212489

<https://www.phoenixcontact.com/in/products/1212489>



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

Q 1,5/4IDC/24-24KU-KU BK PE - Conductor connectors



1642182

<https://www.phoenixcontact.com/in/products/1642182>

QSS 19 - Socket wrench

1670895

<https://www.phoenixcontact.com/in/products/1670895>



Socket wrench, for tightening and unscrewing the QUICKON union nut, wrench size 19 mm

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in