

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



1641578

<https://www.phoenixcontact.com/us/products/1641578>

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Cable connector with QUICKON fast connection technology, 4-pos., connection cross section 0.75 ... 1.5 mm²

Your advantages

- Robust throughout: housing with IP65/IP67 protection for a wide range of applications

Commercial data

Item number	1641578
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6HCC
Catalog page	Page 13 (PC-2002)
GTIN	4017918876616
Weight per piece (including packing)	41.6 g
Weight per piece (excluding packing)	38.1 g
Customs tariff number	85366990
Country of origin	PL

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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
Position marking	1, 2, 3, 4
Number of connections per position	1
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
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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

Conductor cross section rigid	0.75 mm ² ... 1 mm ²
Conductor cross section flexible	0.75 mm ² ... 1.5 mm ²

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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

Material	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, 4
Material wire insulation	PVC / PE

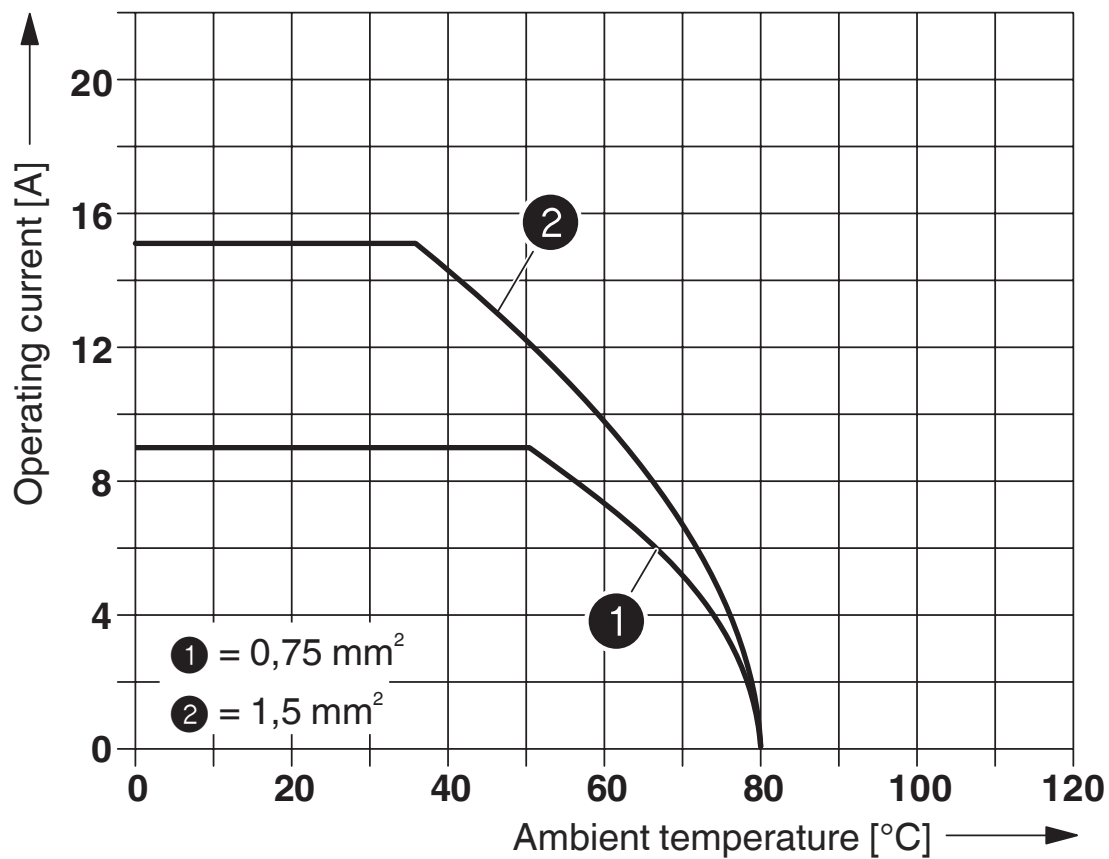
Environmental and real-life conditions

Ambient conditions

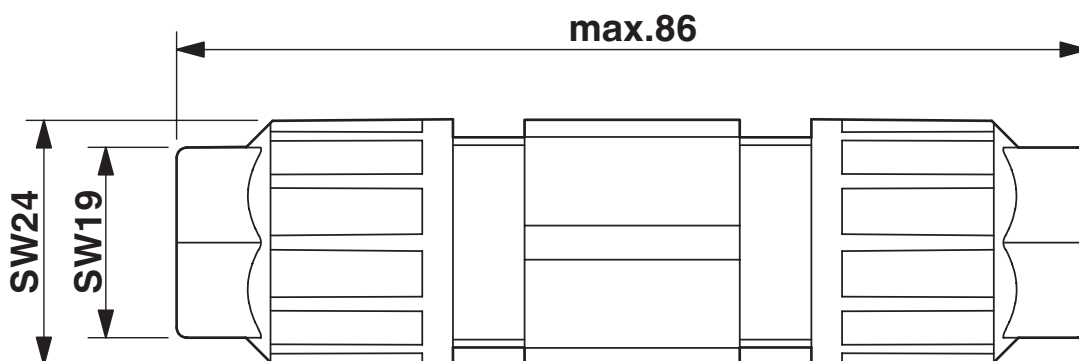
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C (specifications of the cable manufacturer must also be observed)
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Drawings

Diagram



Dimensional drawing



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Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1641578>

	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.A*30.B.01102			

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

	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

cULus Recognized				
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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002560
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

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

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Accessories

Q-PROT13/16 - Filler plugs

1670222

<https://www.phoenixcontact.com/us/products/1670222>

Closing caps, for Pg13/ Pg16, for closing unoccupied connections



MICROFOX-SB - Diagonal cutter

1212489

<https://www.phoenixcontact.com/us/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



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QSS 19 - Socket wrench

1670895

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



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

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