

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



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 note	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.
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Product properties

Product type	Cable connector
Number of positions	4
Position marking	1, 2, 3, 4
Number of connections	4
Number of connections per position	1
Coding	no

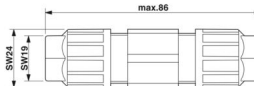
Data management status

Article revision	02
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	24 mm
Height	24 mm
Length	86 mm
Diameter	24 mm

Connection data

Connection technology

Frequency of connections between conductors of the same cross section	max. 10
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Conductor connection

Tightening torque	3 Nm
Tightening torque Union nut	3 Nm
Wrench size Union nut	19 mm
Wrench size Contact carrier	24 mm

Electrical properties

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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	green (RAL 6021)
Material Housing	PA
Material Contact	CuZn
Material Contact surface	tin-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE

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

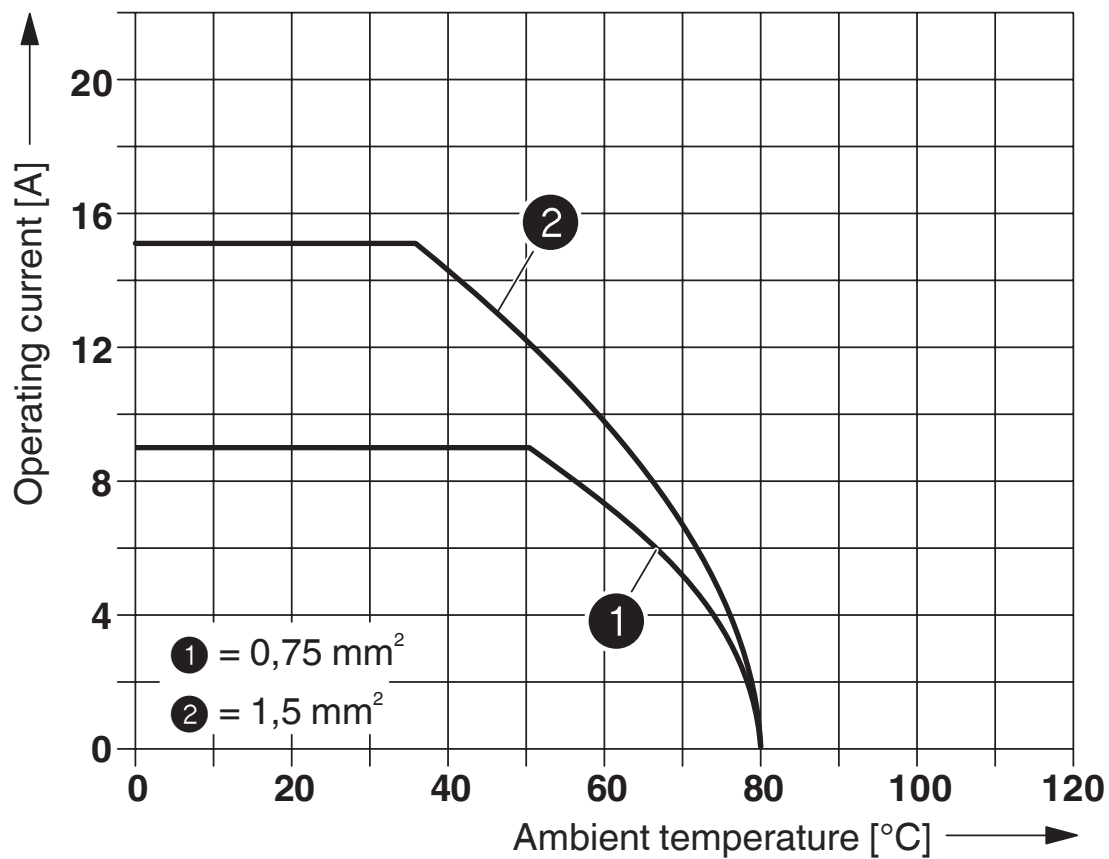
Environmental and real-life conditions

Ambient conditions

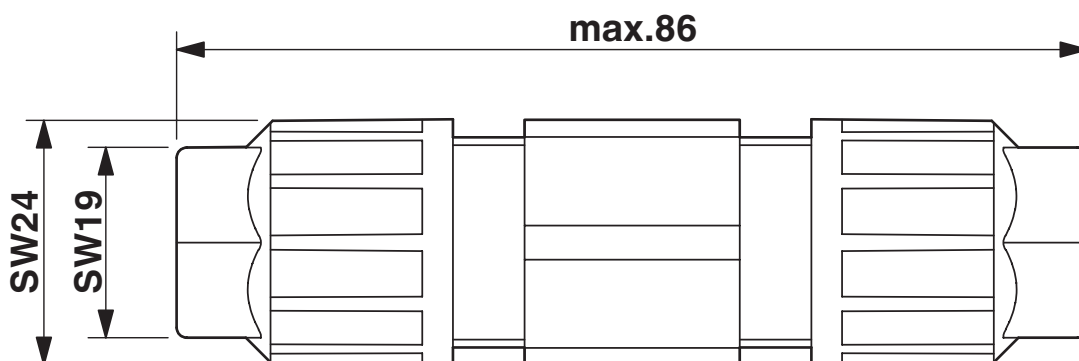
Degree of protection	IP65
	IP67
Impact strength	IK06
Ambient temperature (operation)	-25 °C ... 80 °C (specifications of the cable manufacturer must also be observed)
Temperature when conductor connected	-5 °C ... 50 °C (specifications of the cable manufacturer must also be observed)
Ambient temperature (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: E118976			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	250 V	11 A	-	-

	UL Recognized Approval ID: E118976			
	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 9.0	EC002560
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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
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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