

Q 1,5/3IDC/13-13KU-KU - Conductor connector

1670248

<https://www.phoenixcontact.com/us/products/1670248>



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Conductor connectors to connect circular conductors.



Your advantages

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

Commercial data

Item number	1670248
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6HCC
Catalog page	Page 19 (PC-2002)
GTIN	4017918146504
Weight per piece (including packing)	53.2 g
Weight per piece (excluding packing)	34.7 g
Customs tariff number	85369010
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	3
Position marking	1, 2, 3
Number of connections	3
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	62,2 mm
Diameter	24 mm

Connection data

Connection technology

Frequency of connections between conductors of the same cross section	max. 10 (if the conductor is connected more than once, seal and cap may need to be replaced.)
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Conductor connection

Tightening torque	2.5 Nm
Tightening torque Union nut	2.5 Nm
Wrench size Union nut	24 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
Contact resistance	$\leq 5 \text{ m}\Omega$
rated voltage (II/2)	630 V
rated voltage (III/2)	320 V
Rated voltage (III/3)	250 V
Nominal voltage U_N	500 V AC
	500 V DC
Nominal current I_N	17.5 A

Material specifications

Color	green (RAL 6021)
Material Housing	PA
Material Contact	Copper alloy
Material Contact surface	Sn
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	7 mm ... 9 mm
Wire diameter including insulation	$\geq 3 \text{ mm}$
Position marking	1, 2, 3
Material wire insulation	PVC / PE

Environmental and real-life conditions

Ambient conditions

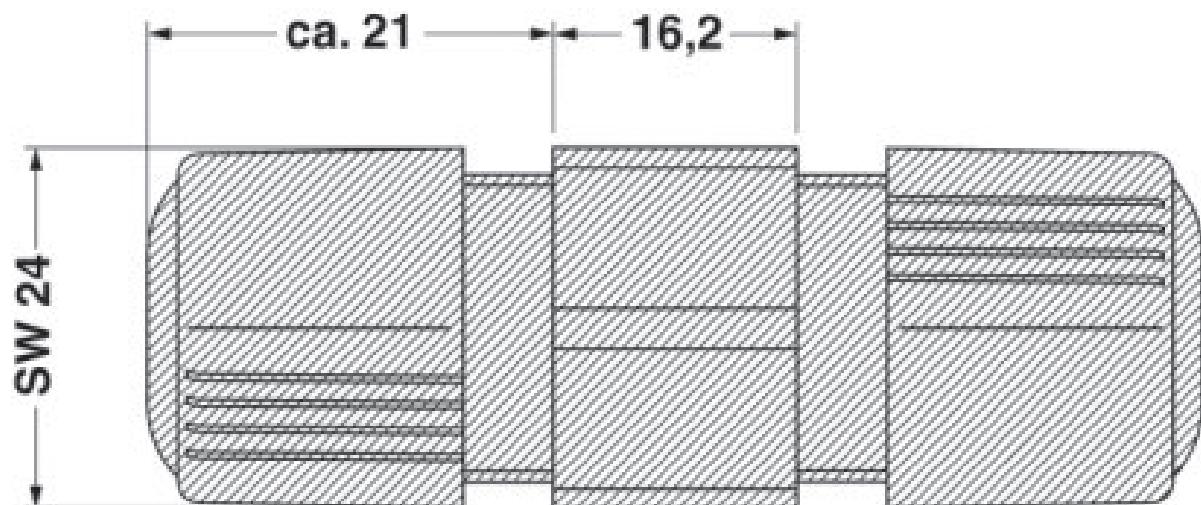
Degree of protection	IP65
	IP67
Impact strength	IK06
Ambient temperature (operation)	-25 °C ... 80 °C
	-25 °C ... 50 °C (when the conductor is connected. Specifications of the cable manufacturer must also be observed.)
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

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Drawings

Dimensional drawing



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Approvals

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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-RoHS				
Approval ID: RU D-DE.HB35.B.00387				

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
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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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Phoenix Contact USA

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