

# 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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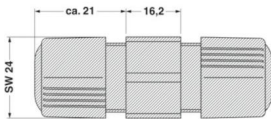
### Product properties

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	≤ 5 mΩ
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	≥ 3 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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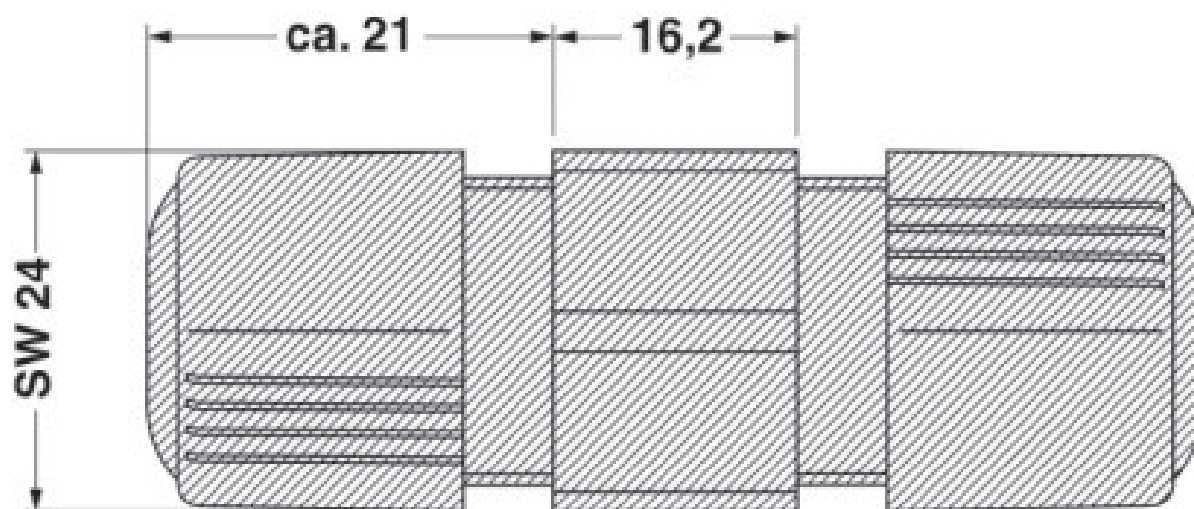
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## Drawings

### Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1670248>

 <b>cUL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	11 A	-	-

 <b>UL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	250 V	15 A	-	-

 <b>EAC</b> Approval ID: RU C-DE.A*30.B.01102				
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 <b>EAC-RoHS</b> Approval ID: RU D-DE.HB35.B.00387				
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<b>cULus Recognized</b>				
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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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