

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



1670248

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

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.

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

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.
-----------------------	---

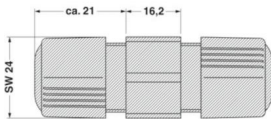
Product properties

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.)
---	---

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

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



1670248

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

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	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 ()	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
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

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



1670248

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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002560
----------	----------

UNSPSC

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

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



1670248

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

Environmental product compliance

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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

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