

Conductor connectors - Q 1,5/3IDC/13-13KU-KU - 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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Conductor connectors to connect circular conductors.

Your advantages

- Robust throughout: housing with IP65/IP67 protection for a wide range of applications
- Convenient: quick and easy assembly without special tools

Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 146504
GTIN	4017918146504
Weight per Piece (excluding packing)	34.700 g
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Connection	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.
Color	green
Locking type	without
Connection method	QUICKON connection
	IDC connection
Number of positions	3
Wrench size, union nut	24 mm
Tightening torque, union nut	2.5 Nm
Wrench size, contact carrier	24 mm
Number of connections	3

Conductor connectors - Q 1,5/3IDC/13-13KU-KU - 1670248

Technical data

General

Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	1 mm ²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	16

Cabel

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.2-5, min. wire diameter 0.2 mm
Wire insulation material	PVC / PE
Wire diameter including insulation	>= 3 mm
External cable diameter	7 mm ... 9 mm
Position marking	1, 2, 3

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.)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I _N	17.5 A
Rated voltage (III/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

Mechanical characteristics

QUICKON connectability	max. 10 (if the conductor is connected more than once, seal and cap may need to be replaced.)
Impact category	3
Category of shock impact	IK06

Material data

Contact material	Copper alloy
Contact surface material	Tin-plated
Contact carrier material	PA 6.6
Insulating material	PA
Flammability rating according to UL 94	V0

Conductor connectors - Q 1,5/3IDC/13-13KU-KU - 1670248

Technical data

Material data

Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440605
eCl@ss 8.0	27440605
eCl@ss 9.0	27440605

ETIM

ETIM 2.0	EC000516
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002560
ETIM 6.0	EC002560
ETIM 7.0	EC002560

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121402
UNSPSC 18.0	39121402
UNSPSC 19.0	39121402
UNSPSC 20.0	39121402
UNSPSC 21.0	39121402

Conductor connectors - Q 1,5/3IDC/13-13KU-KU - 1670248

Approvals


Approvals


Approvals


UL Recognized / cUL Recognized / EAC / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		250 V	
Nominal current IN		15 A	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		250 V	
Nominal current IN		11 A	

EAC		EAC-Zulassung
-----	---	---------------

EAC		RU C- DE.A*30.B.01102
-----	---	--------------------------

EAC		RU C- DE.BL08.B.00511
-----	---	--------------------------

cULus Recognized	
------------------	---

Conductor connectors - Q 1,5/3IDC/13-13KU-KU - 1670248

Accessories

Accessories

Pressure nut

Lock nut - Q-SMU PG13,5 SET COD2 - 1670963



Locking nut, can only be released with Allen wrench, coding 2

Sealing plugs

Filler plugs - Q-PROT13/16 - 1670222



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

Nut - Q-SMU PG13,5 SET - 1670756



Locking nut, can only be released with wrench, Pg13.5/ WAF 24, coding 1
