


## Connector - Q 1,5/4IDC/24-24KU-KU - 1641578

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://download.phoenixcontact.com>)

Cable connector with QUICKON fast connection technology, 4-pos., connection cross section 0.75 ... 1.5 mm<sup>2</sup>



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 876616
Weight per Piece (excluding packing)	37.4 g
Custom tariff number	85366990
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
Connection method	QUICKON connection IDC connection
Number of positions	4
Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm
Wrench size, contact carrier	24 mm
Number of connections	4
Conductor cross section stranded min.	0.75 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	1 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	16

# Connector - Q 1,5/4IDC/24-24KU-KU - 1641578

## Technical data

### Conductor

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	1.8 mm ... 3 mm
External cable diameter	6 mm ... 12 mm

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C (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 (specifications of the cable manufacturer must also be observed)

### Electrical characteristics

Nominal current $I_N$	15 A
Rated current	15 A
Rated voltage (III/3)	500 V
Rated voltage (III/2)	800 V
Rated voltage (II/2)	1000 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
------------------------	---------

### Material data

Contact material	CuZn
Contact surface material	Tin-plated
Contact carrier material	PA
Insulating material	PA
Inflammability class according to UL 94	V0
Surge voltage category	III
Pollution degree	3

## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423

# Connector - Q 1,5/4IDC/24-24KU-KU - 1641578

## Classifications

### eCl@ss

eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

### ETIM

ETIM 2.0	EC000516
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC000516

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

---

#### Approvals

UL Recognized / VDE Zeichengenehmigung / cUL Recognized / GOST / GOST / cULus Recognized

---


#### Ex Approvals

---

#### Approvals submitted

---

### Approval details

UL Recognized 	
Nominal current I <sub>N</sub>	15 A
Nominal voltage U <sub>N</sub>	250 V

# Connector - Q 1,5/4IDC/24-24KU-KU - 1641578

## Approvals

VDE Zeichengenehmigung	
mm <sup>2</sup> /AWG/kcmil	0.75-1.5
Nominal voltage UN	500 V

cUL Recognized	
Nominal current IN	11 A
Nominal voltage UN	250 V

GOST	
------	--

GOST	
------	--

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

## Accessories

### Accessories

#### Protective cap

Filler plugs - Q-PROT13/16 - 1670222



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

#### Socket spanner

# Connector - Q 1,5/4IDC/24-24KU-KU - 1641578

## Accessories

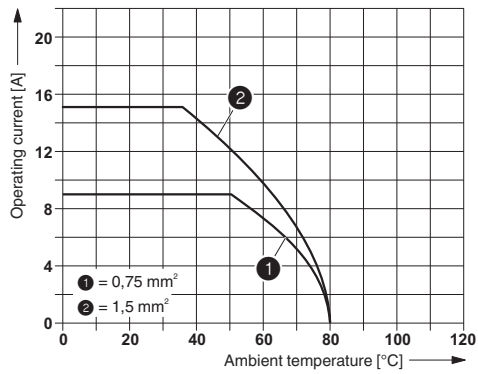
Socket wrench - QSS 19 - 1670895



Socket wrench, for tightening and unscrewing the QUICKON union nut, wrench size 19 mm

## Drawings

Diagram



Dimensioned drawing

