

## Conductor connectors - Q 1,5/4IDC/24-24KU-KU BK PE - 1642182

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QUICKON cable connector, black, 3+PE-pos., 0.75 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> /500 V/15 A, for a cable diameter of 6 mm ... 12 mm.

### Why buy this product

- ✓ Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- ✓ Convenient: quick and easy assembly without special tools
- ✓ Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- ✓ Safer connection thanks to polarization against mismatching and touch-proof protection according to DIN EN 0105
- ✓ Easy and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 951177
GTIN	4017918951177
Weight per Piece (excluding packing)	0.030 kg
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	black
Connection method	QUICKON connection
	IDC connection
Number of positions	4

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## Technical data

### General

Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm
Wrench size, contact carrier	24 mm
Conductor cross section flexible min.	0.75 mm <sup>2</sup>
Conductor cross section flexible 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 min.	18
Conductor cross section AWG max.	16

### Cabel

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 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)	-40 °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 <sub>N</sub>	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
Impact category	3

### Material data

Contact material	CuZn
Contact surface material	Tin-plated
Contact carrier material	PA
Insulating material	PA

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## Technical data

### Material data

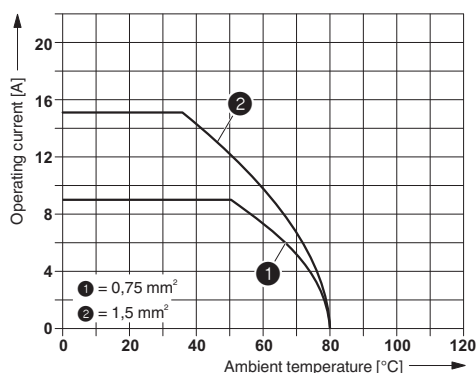
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

### Standards and Regulations

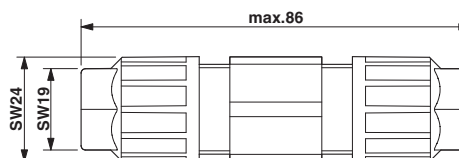
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

## Drawings

Diagram



Dimensional drawing



## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
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

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522

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## Classifications

### UNSPSC

UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals


### Approvals


#### Approvals


UL Recognized / VDE Zeichengenehmigung / cUL Recognized / EAC / EAC / cULus Recognized

#### Ex Approvals

## Approval details

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

VDE Zeichengenehmigung  <a href="http://www.vde.de">http://www.vde.de</a> 40032336	
mm <sup>2</sup> /AWG/kcmil	0.75-1.5
Nominal voltage UN	500 V

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

EAC EAC-Zulassung
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EAC 7500651.22.01.00246
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### Approvals

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

### Accessories

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#### Electronics pliers

Diagonal cutter - MICROFOX-SB - 1212489



Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

#### Sealing plugs

Closing cap - SEALING PLUG 12X22 RD - 1400260



Sealing plug, for sealing unused bore holes in multiple grommets and cable glands, diameter: 12 mm

#### Socket spanner

Socket wrench - QSS 19 - 1670895



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