

## 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 IP65/IP67 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

### 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
Locking type	without
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

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## Technical data

### General

Number of connections	4
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
Position marking	1, 2, 3, PE

### 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
Category of shock impact	IK06

### 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

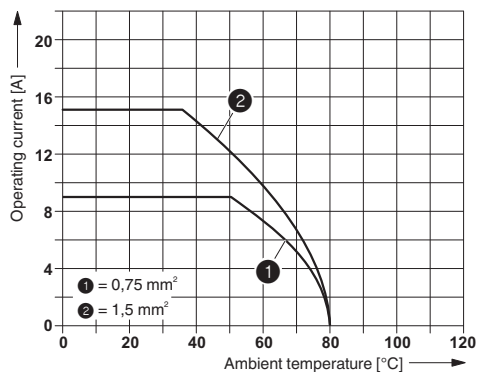
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

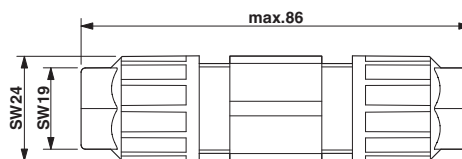
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Diagram



Dimensional drawing



## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

### Approval details

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## Approvals

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 voltage UN		250 V	
Nominal current IN		15 A	

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40032336
Nominal voltage UN		500 V	
mm <sup>2</sup> /AWG/kcmil		0.75-1.5	

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 voltage UN		250 V	
Nominal current IN		11 A	

EAC		EAC-Zulassung
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EAC		RU C-DE.AI30.B.01102
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EAC		RU C-DE.A*30.B.01102
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cULus 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>
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