

## Conductor connectors - Q 1,5/4IDC/24-24KU-KU BK - 1642153

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QUICKON cable connector, black, 4-pos. without PE, 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 pc
GTIN	 4 017918 920418
Weight per Piece (excluding packing)	36.5 g
Custom tariff number	85366990
Country of origin	Poland
Product key	BF6HCC

### 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
Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm

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## Technical data

### General

Wrench size, contact carrier	24 mm
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

### Conductor

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
Inflammability class according to UL 94	V0
Surge voltage category	III

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## Technical data

### Material data

Pollution degree	3
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## 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	27449001

### ETIM

ETIM 2.0	EC000516
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC002635

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

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## Approvals

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

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

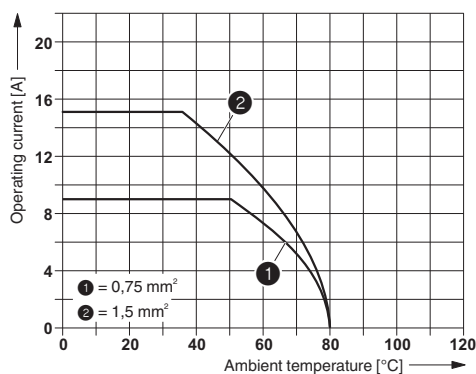
cUL Recognized	
Nominal current I <sub>N</sub>	11 A
Nominal voltage U <sub>N</sub>	250 V

GOST	
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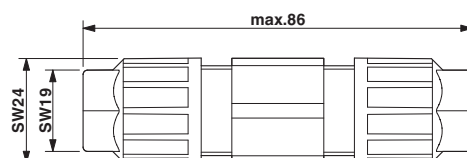
cULus Recognized	
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## Drawings

Diagram



Dimensioned drawing





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