

## Conductor connectors - Q 0,75/4IDC/18-18KU-KU BK - 1642140

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QUICKON conductor connector, 4-pos., connection cross section 0.34-0.75 mm<sup>2</sup>

### 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 923891
Weight per Piece (excluding packing)	16.0 g
Custom tariff number	85366990
Country of origin	Germany
Product key	BF6HCB

### Technical data

#### General

Color	black
Connection method	QUICKON connection
	IDC connection
Number of positions	4
Wrench size, union nut	15 mm
Tightening torque, union nut	1.2 Nm
Wrench size, contact carrier	15 mm
Conductor cross section stranded min.	0.34 mm <sup>2</sup>
Conductor cross section stranded max.	0.75 mm <sup>2</sup>

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### Technical data

#### General

Conductor cross section solid min.	0.34 mm <sup>2</sup>
Conductor cross section solid max.	0.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	22
Conductor cross section AWG/kcmil max	18

#### 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	1.3 mm ... 2.6 mm
External cable diameter	4 mm ... 8 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>	9 A
Rated current	9 A
Rated voltage (III/3)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	500 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV

#### Mechanical characteristics

QUICKON connectability	max. 10
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#### Material data

Contact material	Steel
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

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

#### Ex Approvals

#### Approvals submitted

#### Approval details

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	22-18

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### Approvals

Nominal current I <sub>N</sub>	9 A
Nominal voltage U <sub>N</sub>	250 V

VDE Zeichengenehmigung

Nominal voltage U <sub>N</sub>	400 V
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cUL Recognized

mm <sup>2</sup> /AWG/kcmil	22-18
Nominal current I <sub>N</sub>	6 A
Nominal voltage U <sub>N</sub>	250 V

GOST

cULus Recognized

### Drawings

Dimensioned drawing

