

## 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>

### Product Features

- 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
Weight per Piece (excluding packing)	17.8 g
Custom tariff number	85366990
Country of origin	Germany

### 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 flexible min.	0.34 mm <sup>2</sup>
Conductor cross section flexible 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 min.	22
Conductor cross section AWG 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
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

#### 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
Flammability rating according to UL 94	V0
Overvoltage category	III
Pollution degree	3

#### Standards and Regulations

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## Technical data

### Standards and Regulations

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

## 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

### 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
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

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## Approvals

Approvals submitted

### Approval details

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

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

EAC
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EAC
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cULus Recognized
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## Drawings

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

Dimensional drawing

