

## Connector - Q 1,5/4IDC/24-24KU-KU - 1641578

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Cable connector with QUICKON fast connection technology, 4-pos., connection cross section 0.75 ... 1.5 mm<sup>2</sup>



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	37.0 g
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	green
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
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

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### Technical data

#### Cabel

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.2-5, min. wire diameter 0.2 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)	-25 °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 $I_N$	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
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#### Material data

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

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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	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 / 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

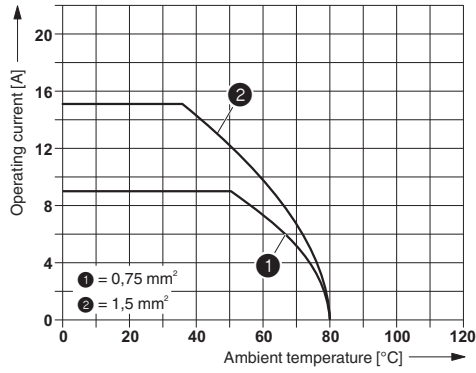
EAC
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cULus Recognized 
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## Drawings

# Connector - Q 1,5/4IDC/24-24KU-KU - 1641578

Diagram



Dimensional drawing

