

Connector - Q 1.5/4IDC/24-24KU-KU BK PE - 1642182

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QUICKON cable connector, black, 3+PE-pos., 0.75 mm² ... 1.5 mm² /500 V/15 A, for a cable diameter of 6 mm ... 12 mm.



Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 96 (PC-2011)
GTIN	 4 017918 951177
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

General characteristics

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
Connection method	IDC connection
Number of positions	4
Wrench size, union nut	19 mm
Tightening torque, union nut	3 Nm
Wrench size, contact carrier	24 mm
Conductor cross section stranded min.	0.75 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	1 mm ²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	16

Conductor data

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Technical data

Conductor data

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

Environmental conditions

Degree of protection	IP65/67
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_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
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
Pollution degree	3

Classifications

ETIM

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

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Classifications

UNSPSC

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

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

Approvals

Approvals


Approvals


UL Recognized / VDE Zeichengenehmigung / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 	
Nominal current I _N	15 A
Nominal voltage U _N	250 V

VDE Zeichengenehmigung 	
mm ² /AWG/kcmil	0.75-1.5
Nominal voltage U _N	500 V

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Approvals

cUL Recognized	
Nominal current I _N	11 A
Nominal voltage U _N	250 V

cULus Recognized	
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Accessories

Accessories

Protection and sealing elements

Closing cap - SEALING PLUG 12X22 RD - 1400260



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 12 mm

Tools

Socket wrench - QSS 19 - 1670895

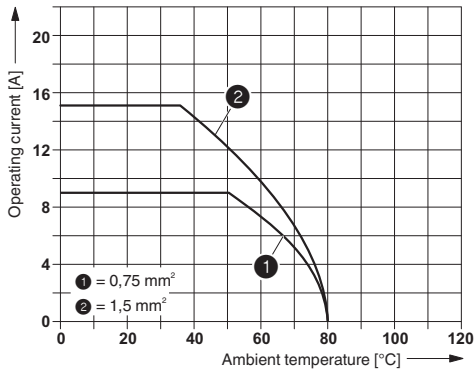


Socket wrench, for tightening and unscrewing the QUICKON union nut, wrench size 19 mm

Drawings

Connector - Q 1.5/4IDC/24-24KU-KU BK PE - 1642182

Diagram



Dimensioned drawing

