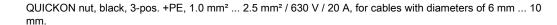


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Product Features

- Innovative and time saving QUICKON fast connection for time saving of up to 80% for on-site connection
- Mobust 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

Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	16.62 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Design	QPD 4x2,5				
Color	black				
Locking type	Screw locking				
Connection method	QUICKON connection				
	IDC connection				
Number of positions	4				
Note number of positions	3+PE				
Wrench size, union nut	22 mm				
Tightening torque, union nut	5 Nm				
Number of connections	10				
Conductor cross section stranded min.	1 mm²				
Conductor cross section stranded max.	2.5 mm ²				
Conductor cross section solid min.	1 mm ²				



Technical data

General

Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	14

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/TPE/rubber			
Wire diameter including insulation	2.5 mm 3.8 mm			
External cable diameter	6 mm 10 mm			

Ambient conditions

Degree of protection	IP68 (2 m / 24 h)		
	IP69K		
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 _N	20 A
Rated current	20 A
Rated voltage (III/3)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV

Mechanical characteristics

QUICKON connectability	may 10
QUICKON connectability	max. 10

Material data

Contact carrier material	PA		
Insulating material	PA		
Inflammability class according to UL 94	V0		
Surge voltage category	III		
Pollution degree	3		



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 3.0	EC000441
ETIM 4.0	EC000441
ETIM 5.0	EC000441

UNSPSC

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

Approvals

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Approvals

VDE Zeichengenehmigung / GOST

Ex Approvals

Approvals submitted

Approval details



Approvals

VDE Zeichengenehmigung 🚳	
mm²/AWG/kcmil	1.5-2.5
Nominal current IN	20 A
Nominal voltage UN	690 V

GOST 🕑

Accessories

Accessories

Coding element

Coding profile - CP-QPD - 1582459



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

Installation connector

Connector - QPD P 3PE2,5 6-10 BK - 1582202



QUICKON-connector, black, 3+PE-pos., 1.0 mm² ... 2.5 mm²/630 V/20 A, with QUICKON nut, for cables with a diameter of 6 mm ... 10 mm.

Connector - QPD P 3PE2,5 9-14 BK - 1582205



QUICKON connector, black, 3+PE-pos., $1.0~mm^2$... $2.5~mm^2/630~V/20~A$, with QUICKON nut, for cables with a diameter of 9 mm ... 14~mm.



Accessories

Installation pressure nut

Nut - QPD N 2,5 6-10 BK - 1582226



QUICKON nut, black, 3-pos. +PE, 1.0 mm² ... 2.5 mm² / 630 V / 20 A, for cables with diameters of 6 mm ... 10 mm.

Nut - QPD N 2,5 9-14 BK - 1582229



QUICKON nut, black, 3-pos. +PE, 1.0 mm² ... 2.5 mm² / 630 V / 20 A, for cables with diameters of 9 mm ... 14 mm.

Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488

Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68



Seal

Grommet - KV-DI-PG16-1XASI - 1582462



Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection



Accessories

Grommet - KV-DI-PG16-2XASI - 1582464



Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

Sealing plugs

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 14 mm

Socket spanner

Socket wrench - QSS 22 - 1670206



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm