

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

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Nut, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 6 mm ... 10 mm

Your advantages

- ✓ 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

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 316989
GTIN	4046356316989

Technical data

General

Type	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 flexible min.	1 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	1 mm ²

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Technical data

General

Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	14

Cabel

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 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm
Position marking	1, 2, 3, PE

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °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	max. 10
Category of shock impact	IK07

Material data

Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Category of shock impact	IK07
Flammability rating according to UL 94	V0

Environmental Product Compliance

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Technical data

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 10.0.1	27440691
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440605
eCl@ss 8.0	27440605
eCl@ss 9.0	27440691

ETIM

ETIM 3.0	EC000441
ETIM 4.0	EC000441
ETIM 5.0	EC002560
ETIM 6.0	EC002560
ETIM 7.0	EC002560

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121402
UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

Approvals

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EAC / DNV GL / IECCEB Scheme / VDE Zeichengenehmigung

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Approvals

Ex Approvals

Approval details

EAC			RU C- DE.AI30.B.01102
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DNV GL		https://approvalfinder.dnvgl.com/	TAE00003J5
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IECEE CB Scheme		http://www.iecee.org/	DE1-58228
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VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
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Nominal voltage UN	690 V
Nominal current IN	20 A
mm ² /AWG/kcmil	1.5-2.5

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.

Protective cap

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Accessories

Protective cap - QPD QSK 2,5 FS - 1582488

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



Seal

Seal - 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

Seal - 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, material: PA, for threads pluggable, color: red

Socket spanner

Socket wrench - QSS 22 - 1670206



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

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Accessories

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



Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 6 mm ... 10 mm

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



Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 9 mm ... 14 mm

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[FGJ.1B.306.CWLD72](#) [FGJ.3B.304.CYMD10Z](#) [FGJ.3B.304.CYMD82Z](#) [FHG.1B.303.CYCZ](#) [PCS.01.250.DLLE24](#) [PHG.0K.305.CYMC40Z](#)
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