

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

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Nut, QUICKON connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 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

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 316989
GTIN	4046356316989
Weight per Piece (excluding packing)	16.620 g
Custom tariff number	39269097
Country of origin	Germany

### 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

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## Technical data

### General

Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Number of connections	10
Conductor cross section flexible min.	1 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	1 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
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 <sub>N</sub>	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

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### Technical data

#### 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

Flammability rating according to UL 94	V0
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#### 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

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### Classifications

#### UNSPSC

UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

### Approvals

#### Approvals

Approvals

EAC / null / null / null

Ex Approvals

#### Approval details

EAC		RU C- DE.AI30.B.01102
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### 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.

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### Accessories

#### Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488

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



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#### 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

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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

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#### Sealing plugs

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap, material: PA, for threads pluggable, color: red

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#### Socket spanner

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### Accessories

Socket wrench - QSS 22 - 1670206



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

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



Connector, QUICKON connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, black, cable diameter range: 6 mm ... 10 mm

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



Connector, QUICKON connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, black, cable diameter range: 9 mm ... 14 mm

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