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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Nut - QPD N 2,5 6-10 GY - 1582435

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QUICKON nut, gray, 4-pos. without PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 630 V / 20 A, for cables with diameters of 6 mm ... 10 mm.

### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	40.0 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Design	QPD 4x2,5
Color	gray
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	4
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Tightening torque, counter nut	5 Nm
Wrench size, counter nut	27 mm
Number of connections	10
Conductor cross section stranded min.	1.5 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	1 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	14

#### Conductor

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## Technical data

### 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
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)
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)	630 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
Insertion/withdrawal cycles	>= 50 (Quickon connections max. 10)

### 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

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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### Classifications

#### eCl@ss

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	EC002382
ETIM 4.0	EC002382
ETIM 5.0	EC002382

#### UNSPSC

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

### Approvals

#### Approvals


#### Approvals

VDE Zeichengenehmigung / GOST

#### Ex Approvals

#### Approvals submitted

#### Approval details

VDE Zeichengenehmigung 	
mm²/AWG/kcmil	1.5-2.5

## Nut - QPD N 2,5 6-10 GY - 1582435

### Approvals

Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	690 V



### 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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### Installation connector

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



QUICKON-connector, black, 3+PE-pos., 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>/630 V/20 A, with QUICKON nut, for cables with a diameter of 6 mm ... 10 mm.

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



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

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### Installation pressure nut

## Nut - QPD N 2,5 6-10 GY - 1582435

### Accessories

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



QUICKON nut, black, 3-pos. +PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 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 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 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

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

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### Accessories

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#### 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

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#### Socket spanner

Socket wrench - QSS 22 - 1670206



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

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