

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

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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.

Product Features

- 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
Weight per Piece (excluding packing)	16.62 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
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Number of connections	10
Conductor cross section flexible min.	1 mm ²

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Technical data

General

Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	1 mm ²
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	2.5 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm

Ambient conditions

Degree of protection	IP68 ()
	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	max. 10
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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

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Technical data

Standards and Regulations

Flammability rating according to UL 94	V0
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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	27440605

ETIM

ETIM 3.0	EC000441
ETIM 4.0	EC000441
ETIM 5.0	EC002560

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 / GL / EAC


Ex Approvals

Approvals submitted

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Approvals

Approval details

VDE Zeichengenehmigung 	
mm²/AWG/kcmil	1.0-2.5
Nominal current I _N	20 A
Nominal voltage U _N	690 V

GL

EAC

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.

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Accessories

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



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 9 mm ... 14 mm.

Installation pressure nut

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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

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Accessories

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, 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

Mouser Electronics

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