

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

1582226

<https://www.phoenixcontact.com/us/products/1582226>



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Nut, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, PA, black, external cable diameter: 6 mm ... 10 mm

## Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications

## Commercial data

Item number	1582226
Packing unit	1 pc
Sales key	BF50
Product key	BF6UCX
Catalog page	Page 475 (C-2-2017)
GTIN	4046356316989
Weight per piece (including packing)	18.6 g
Weight per piece (excluding packing)	17.5 g
Customs tariff number	39269097
Country of origin	DE

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## Technical data

### Product properties

Product type	Installation pressure nut
Product family	QPD
Type	QPD 4x2,5
Number of positions	4
Connection profile	3+PE
Position marking	1, 2, 3, PE
Number of connections	10

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	8 kV
Rated current	20 A
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal current $I_N$	20 A

### Connection data

#### Connection technology

Connection method On the field side	IDC connection
Frequency of connections between conductors of the same cross section	max. 10

#### Conductor connection

Conductor cross section flexibel	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	16 ... 14
Tightening torque Union nut	5 Nm
Wrench size Union nut	22 mm

### Dimensions

Width	29.9 mm
Height	29.9 mm
Length	46.3 mm

### Material specifications

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Color	black (RAL 9005)
Material Housing	PA
Flammability rating according to UL 94	V0
Material wire insulation	PVC/PE/TPE/rubber
Contact carrier material	PA

## Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	6 mm ... 10 mm
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, PE
Material wire insulation	PVC / PE

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

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## Classifications

### ECLASS

ECLASS-11.0	27440691
ECLASS-13.0	27440691
ECLASS-12.0	27440691

### ETIM

ETIM 8.0	EC002863
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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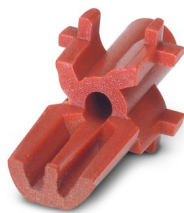


## Accessories

### CP-QPD - Coding profile

1582459

<https://www.phoenixcontact.com/us/products/1582459>



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

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### SEALING PLUG 14X22 RD - Closing cap

1400270

<https://www.phoenixcontact.com/us/products/1400270>



Closing cap, for threads pluggable, color: red

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

1582202

<https://www.phoenixcontact.com/us/products/1582202>



Connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 690 V, 20 A, PA, black, external cable diameter: 6 mm ... 10 mm

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## KV-DI-PG16-1XASI - Seal

1582462

<https://www.phoenixcontact.com/us/products/1582462>



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

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

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## KV-DI-PG16-2XASI - Seal

1582464

<https://www.phoenixcontact.com/us/products/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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## QSS 22 - Socket wrench

1670206

<https://www.phoenixcontact.com/us/products/1670206>



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

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