

QPD N 4PE1,5 5-10 BK - Nut



1415101

<https://www.phoenixcontact.com/us/products/1415101>

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Nut, product family: QPD, connection method: IDC connection, number of positions: 4+PE, 0.5 mm² ... 1.5 mm², 690 V, 17.5 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	1415101
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6UCX
Catalog page	Page 472 (C-2-2019)
GTIN	4055626037660
Weight per piece (including packing)	22.2 g
Weight per piece (excluding packing)	20 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Type	QPD 5x1,5
Product type	Installation pressure nut
Product family	QPD
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, 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	17.5 A
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal current I_N	17.5 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	0.5 mm ² ... 1.5 mm ²
Conductor cross section solid	0.5 mm ² ... 1.5 mm ²
Connection cross section AWG	20 ... 16
Tightening torque Union nut	8 Nm

Material specifications

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

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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	1.6 mm ... 3 mm
Position marking	1, 2, 3, N, PE
Material wire insulation	PVC /PE / rubber / TPE

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-12.0	27440691
ECLASS-13.0	27440691

ETIM

ETIM 9.0	EC002863
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

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

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