

QPD N2,5 9-14 BK - Nut

1423994

<https://www.phoenixcontact.com/us/products/1423994>



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Nut, product family: QPD, connection method: IDC connection, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, external cable diameter: 9 mm ... 14 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	1423994
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6UCX
Catalog page	Page 481 (C-2-2019)
GTIN	4055626366111
Weight per piece (including packing)	21.3 g
Weight per piece (excluding packing)	20.5 g
Customs tariff number	85389099
Country of origin	PL

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Technical data

Product properties

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

Data management status

Article revision	01
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage (II/2)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (III/3)	6 kV
Rated current	20 A
rated voltage (II/2)	1000 V
rated voltage (III/2)	690 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 mm² ... 2.5 mm²
Conductor cross section solid	1 mm² ... 2.5 mm²
Connection cross section AWG	16 ... 14
Tightening torque Union nut	10 Nm

Dimensions

Dimensional drawing

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Width	30 mm
Height	30 mm
Length	40 mm
Diameter	30 mm

Material specifications

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	9 mm ... 14 mm
Wire diameter including insulation	2 mm ... 3.6 mm
Position marking	1, 2, 3, 4
Material wire insulation	PVC/PE/TPE/rubber

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
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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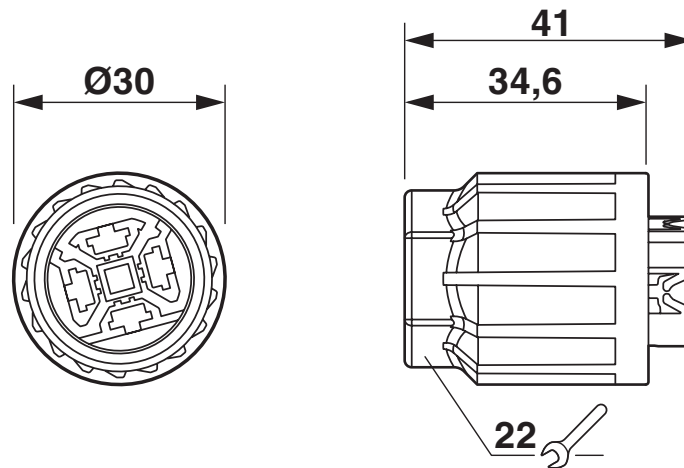
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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1423994>

	IECEE CB Scheme Approval ID: DE1-65875
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 VDE Zeichengenehmigung Approval ID: 40029149				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Only flexible conductors	400 V	20 A	-	1.5 - 2.5
Only rigid conductors	690 V	20 A	-	1.5 - 2.5

	UL Listed Approval ID: E468743			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	600 V	15 A	-	- 14

	cUL Listed			
	Approval ID: E468743			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	600 V	15 A	- 14	-

cULus Listed

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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

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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