QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

Nut, product family: QPD, connection method: IDC connection, 1 mm^2 ... 2.5 mm^2, 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	1423993
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6UCX
Catalog page	Page 481 (C-2-2019)
GTIN	4055626366104
Weight per piece (including packing)	22.5 g
Weight per piece (excluding packing)	21.9 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

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	

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	6 mm ... 10 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

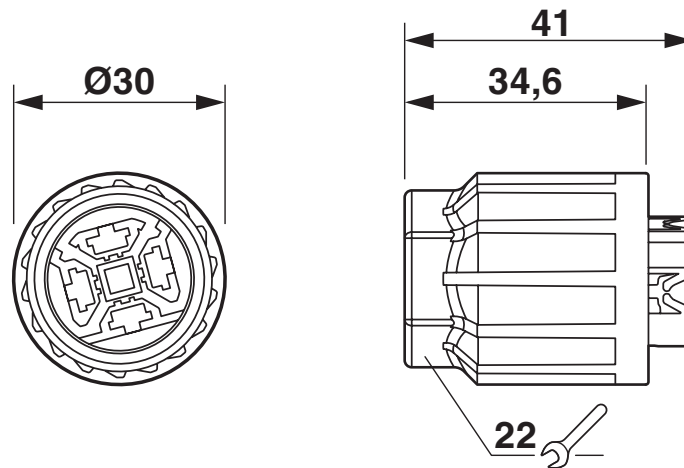| Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Drawings

Dimensional drawing

Ø30

41

34,6

22

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1423993

IECEE CB Scheme
Approval ID: DE1-65875

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	10 A	-	- 16

cUL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	10 A	- 16	-

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

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%

QPD N2,5 6-10 BK - Nut

1423993

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Mandatory accessories

QPD P3PE2,5 6-10 BK - Connector

1423987

https://www.phoenixcontact.com/us/products/1423987

Connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD W3PE2,5 6-10 M25 0,5 BK - Panel feed-through

1423975

https://www.phoenixcontact.com/us/products/1423975

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on)/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm^2, wires cut flat at the end, cable length: 0.5 m

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

QPD W3PE2,5 6-10 M25 1,0 BK - Panel feed-through

1423974

https://www.phoenixcontact.com/us/products/1423974

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on)/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm^2, wires cut flat at the end, cable length: 1 m

QPD W3PE2,5 6-10 M25 FC BK - Panel feed-through

1423976

https://www.phoenixcontact.com/us/products/1423976

Panel feed-through, product family: QPD, connection method: Spade connection/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm^2

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

QPD W3PE2,5 6-10 M25 DT BK - Panel feed-through

1423977

https://www.phoenixcontact.com/us/products/1423977

Panel feed-through, product family: QPD, connection method: Push-in connection/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 400 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm^2

QPD C3PE2,5 1X6-10 BK - Conductor connector

1423991

https://www.phoenixcontact.com/us/products/1423991

Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with one QUICKON nut, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

QPD C3PE2,5 2X6-10 BK - Conductor connector

1423989

https://www.phoenixcontact.com/us/products/1423989

Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD T3PE2,5 2X6-10 BK - T distributor

1424047

https://www.phoenixcontact.com/us/products/1424047

T distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

QPD T3PE2,5 3X6-10 BK - T distributor

1424045

https://www.phoenixcontact.com/us/products/1424045

T distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, With three QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD H3PE2,5 4X6-10 BK - H distributor

1423971

https://www.phoenixcontact.com/us/products/1423971

H distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, with four QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

QPD W3PE2,5 M25 0,5 BK - Panel feed-through

1423983

https://www.phoenixcontact.com/us/products/1423983

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on), number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm^2, wires cut flat at the end, cable length: 0.5 m

QPD W3PE2,5 M25 1,0 BK - Panel feed-through

1423984

https://www.phoenixcontact.com/us/products/1423984

Panel feed-through, product family: QPD, connection method: Single wires (Welded-on), number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm^2, wires cut flat at the end, cable length: 1 m

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

QPD W3PE2,5 M25 FC BK - Panel feed-through

1423986

https://www.phoenixcontact.com/us/products/1423986

Panel feed-through, product family: QPD, connection method: Spade connection, number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm^2

QPD W3PE2,5 M25 DT BK - Panel feed-through

1423985

https://www.phoenixcontact.com/us/products/1423985

Panel feed-through, product family: QPD, connection method: Push-in connection, number of positions: 3+PE, M25, Pin, 1 mm^2 ... 2.5 mm^2, 400 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm^2

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

QPD H3PE2,5 BK - H distributor

1423973

https://www.phoenixcontact.com/us/products/1423973

H distributor, product family: QPD, connection method: IDC connection/ QUICKON fast connection, number of positions: 3+PE, 1 mm^2 ... 2.5 mm^2, 690 V, 20 A, PA, black, without QUICKON nut, coding: Coding profile

Accessories

SEALING PLUG 10X16 RD - Sealing plug

1400284

https://www.phoenixcontact.com/us/products/1400284

Sealing plug, for threads pluggable, color: red

QPD N2,5 6-10 BK - Nut

1423993

https://www.phoenixcontact.com/us/products/1423993

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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