

QPD N2,5 6-10 BK - Nut

1423993

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



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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: 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

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

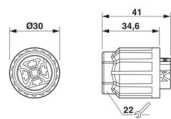
Connection technology

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

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Diameter	30 mm
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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
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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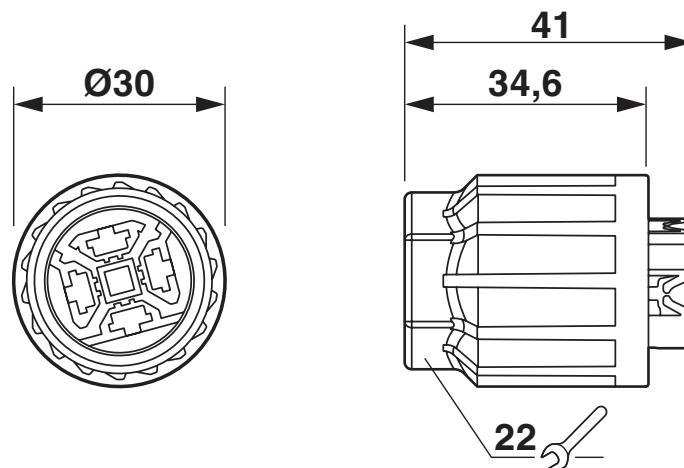
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Drawings

Dimensional drawing



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Approvals

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

	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	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
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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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Mandatory accessories

QPD P3PE2,5 6-10 BK - Connector

1423987

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Connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 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 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm², wires cut flat at the end, cable length: 0.5 m

QPD N2,5 6-10 BK - Nut

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

1423974

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Panel feed-through, product family: QPD, connection method: Single wires (Welded-on)/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm², wires cut flat at the end, cable length: 1 m

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

1423976

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Panel feed-through, product family: QPD, connection method: Spade connection/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm²

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

1423977

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Panel feed-through, product family: QPD, connection method: Push-in connection/ IDC connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 400 V, 20 A, PA, black, with QUICKON nut, coding: coded, external cable diameter: 6 mm ... 10 mm, 2.5 mm²

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

1423991

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Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with one QUICKON nut, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

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

1423989

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Conductor connector, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 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 mm² ... 2.5 mm², 690 V, 20 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

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

1424045

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T distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 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

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H distributor, product family: QPD, connection method: IDC connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, with four QUICKON nuts, coding: Coding profile, external cable diameter: 6 mm ... 10 mm

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

1423983

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Panel feed-through, product family: QPD, connection method: Single wires (Welded-on), number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm², 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 mm² ... 2.5 mm², 690 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm², wires cut flat at the end, cable length: 1 m

QPD N2,5 6-10 BK - Nut

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

1423986

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Panel feed-through, product family: QPD, connection method: Spade connection, number of positions: 3+PE, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm²

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 mm² ... 2.5 mm², 400 V, 20 A, PA, black, without QUICKON nut, coding: coded, 2.5 mm²

QPD N2,5 6-10 BK - Nut

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QPD H3PE2,5 BK - H distributor

1423973

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H distributor, product family: QPD, connection method: IDC connection/
QUICKON fast connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690
V, 20 A, PA, black, without QUICKON nut, coding: Coding profile

Accessories

SEALING PLUG 10X16 RD - Closing cap

1400284

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



Closing cap, for threads pluggable, color: red

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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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