

QPD N2,5 6-10 BK - Nut

1423993

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



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

QPD N2,5 6-10 BK - Nut



1423993

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

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

QPD N2,5 6-10 BK - Nut

1423993

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



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

QPD N2,5 6-10 BK - Nut

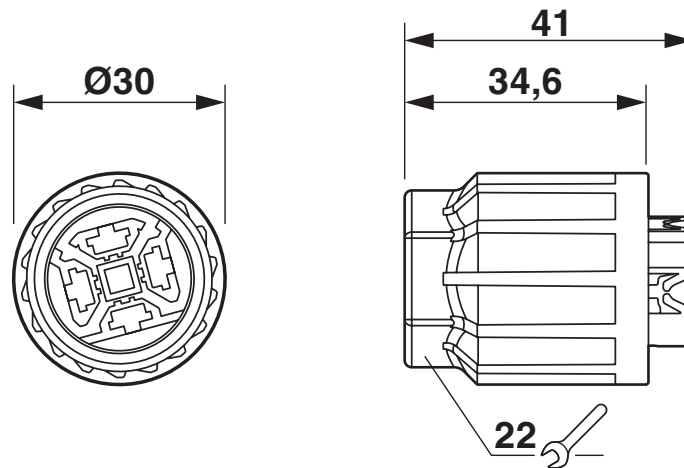
1423993

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



Drawings

Dimensional drawing



QPD N2,5 6-10 BK - Nut

1423993

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



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

QPD N2,5 6-10 BK - Nut

1423993

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



Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002863
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

QPD N2,5 6-10 BK - Nut

1423993

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



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

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



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 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

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 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

<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 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

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 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

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



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

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 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

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 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

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



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

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 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

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 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

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 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

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

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com