

QPD W 4PE6,0 12-20 M25 0,5 BK - Panel feed-through



1410394

<https://www.phoenixcontact.com/us/products/1410394>

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.



QUICKON panel feed-through, 4+PE-pos., 2.5 mm² ... 6.0 mm²/690 V/40 A, with QUICKON nut, black, for cable diameter of 12 mm ... 20 mm, M25 connection thread with 5 welded-on 6.0 mm² cable wires, 0.5 m long, cut flat at the end.

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
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables

Commercial data

Item number	1410394
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6ACC
Catalog page	Page 492 (C-2-2019)
GTIN	4046356929325
Weight per piece (including packing)	244 g
Weight per piece (excluding packing)	235.3 g
Customs tariff number	85366990
Country of origin	PL

QPD W 4PE6,0 12-20 M25 0,5 BK - Panel feed-through



1410394

<https://www.phoenixcontact.com/us/products/1410394>

Technical data

Product properties

Type	QPD 5x6,0
Product type	Panel feed-through
Product family	QPD
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Number of connections	10
Number of connections per position	1
Coding	coded

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection method On the device side	Single wires (Welded-on)
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	2.5 mm ² ... 6 mm ²
Conductor cross section solid	2.5 mm ² ... 6 mm ²
Connection cross section AWG	14 ... 10
Tightening torque Union nut	15 Nm
Wrench size Union nut	30 mm

Dimensions

Dimensional drawing	
Width	39.6 mm
Height	39.6 mm
Length	81.6 mm
Diameter	39.6 mm
Wrench size for mounting	30 mm

Electrical properties

Rated surge voltage (II/2)	8 kV
----------------------------	------

QPD W 4PE6,0 12-20 M25 0,5 BK - Panel feed-through



1410394

<https://www.phoenixcontact.com/us/products/1410394>

Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	40 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal voltage U_N	690 V AC
	690 V DC
Nominal current I_N	40 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
-----------------------------	---------

Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Contact	Cu
Material Contact surface	Silver-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE / rubber / TPE

Cable/line

Cable length	0.5 m
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 ()	12 mm ... 20 mm
Wire diameter including insulation	2.95 mm ... 5 mm
Position marking	1, 2, 3, N, PE
Single wire, color	black, brown, gray, blue, green/yellow
Cable cross section	6 mm ²
Material wire insulation	PVC/PE/TPE/rubber

Mounting

Mounting type	Front mounting M25
Wrench size	30 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C

QPD W 4PE6,0 12-20 M25 0,5 BK - Panel feed-through



1410394

<https://www.phoenixcontact.com/us/products/1410394>

Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

QPD W 4PE6,0 12-20 M25 0,5 BK - Panel feed-through



1410394

<https://www.phoenixcontact.com/us/products/1410394>

Classifications

ECLASS

ECLASS-11.0	27440602
ECLASS-13.0	27440602
ECLASS-12.0	27440602

ETIM

ETIM 9.0	EC002566
----------	----------

UNSPSC

UNSPSC 21.0	39121500
-------------	----------

QPD W 4PE6,0 12-20 M25 0,5 BK - Panel feed-through



1410394
<https://www.phoenixcontact.com/us/products/1410394>

Environmental product compliance

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

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