

QPD W3PE2,5 9-14 M25 1,0 BK - Panel feed-through



1423979

<https://www.phoenixcontact.com/us/products/1423979>

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Panel feed-through, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, with QUICKON nut, external cable diameter: 9 mm ... 14 mm, assembly thread: M25, IDC connection (welded-on), 2.5 mm², wires cut flat at the end, cable length: 1 m

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	1423979
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6ABB
Catalog page	Page 484 (C-2-2019)
GTIN	4055626365961
Weight per piece (including packing)	163 g
Weight per piece (excluding packing)	163 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Type	QPD 4x2,5
Product type	Panel feed-through
Product family	QPD
Number of positions	4
Connection profile	3+PE
Position marking	1, 2, 3, PE
Number of connections per position	1
Series	QPD
Coding	coded

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	QUICKON connection
Connection system, internal	IDC connection
Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Conductor cross section flexibel	1 mm ² ... 2.5 mm ²
Conductor cross section solid	1 mm ² ... 2.5 mm ²
Connection cross section AWG	16 ... 14
Tightening torque, union nut	7 Nm
Tightening torque, counter nut	5 Nm

Dimensions

Dimensional drawing	
Width	30 mm
Height	30 mm
Length	62 mm
Diameter	30 mm

Electrical properties

Rated surge voltage (II/2)	6 kV
Rated surge voltage (III/2)	6 kV

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Rated surge voltage (III/3)	6 kV
Rated current	20 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	690 V
Rated voltage (III/3)	690 V
Nominal voltage U_N	690 V AC
	690 V DC
Nominal current I_N	20 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
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Material specifications

Material	PA
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA

Cable/line

Cable length	1 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 ()	9 mm ... 14 mm
Wire diameter including insulation	2 mm ... 3.6 mm
Position marking	1, 2, 3, PE
Material wire insulation	PVC/PE/TPE/rubber
Halogen-free	yes

Mounting

Mounting type	Front mounting M25
Connection method	IDC connection

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 ... 100 °C

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1423979>



IECEE CB Scheme

Approval ID: DE1-65875



EAC

Approval ID: RU C-DE.BL08.B.00511



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	27440602
ECLASS-12.0	27440602
ECLASS-13.0	27440602

ETIM

ETIM 8.0	EC002566
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

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

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