

QPD W 4PE2,5 M20 FC BK - Panel feed-through



1403741

<https://www.phoenixcontact.com/us/products/1403741>

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Panel feed-through, connection method: Spade connection (For slip-on sleeves according to DIN 46247-2), number of positions: 4+PE, M20, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, black, without QUICKON nut, coding: coded

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	1403741
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	AF6ACB
GTIN	4046356665155
Weight per piece (including packing)	30.4 g
Weight per piece (excluding packing)	30.4 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Panel feed-through
Product family	QPD
Type	QPD 5x2,5
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	Spade connection (For slip-on sleeves according to DIN 46247-2)
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	10 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	27 mm
Wrench size Locking nut	30 mm

Dimensions

Dimensional drawing	
Width	34.6 mm
Height	34.6 mm
Length	53 mm
Diameter	34.6 mm
Wrench size	30 mm
Wrench size for mounting	30 mm

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Dimensions of slip-on connection	2.8 x 0.8 mm
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Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
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)	1000 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

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

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, N, PE
Material wire insulation	PVC/PE/TPE/rubber

Mounting

Mounting type	Front mounting M20
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C

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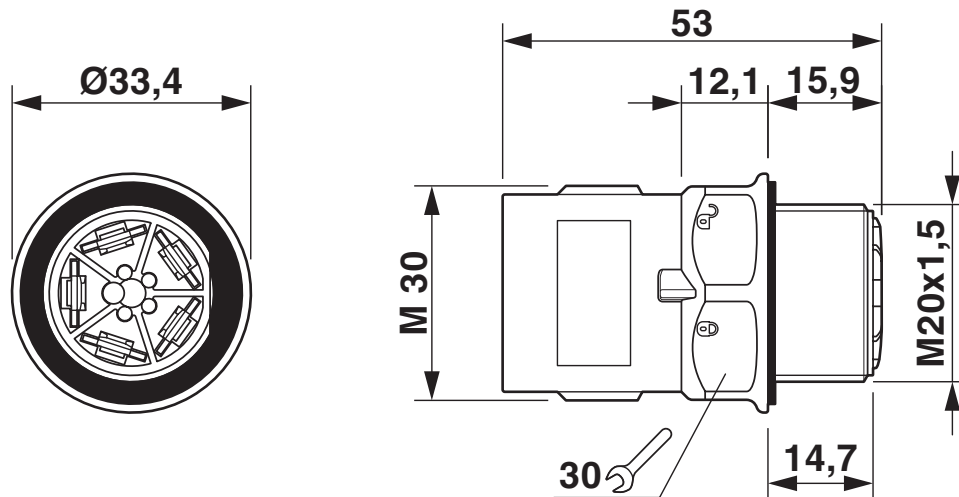
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

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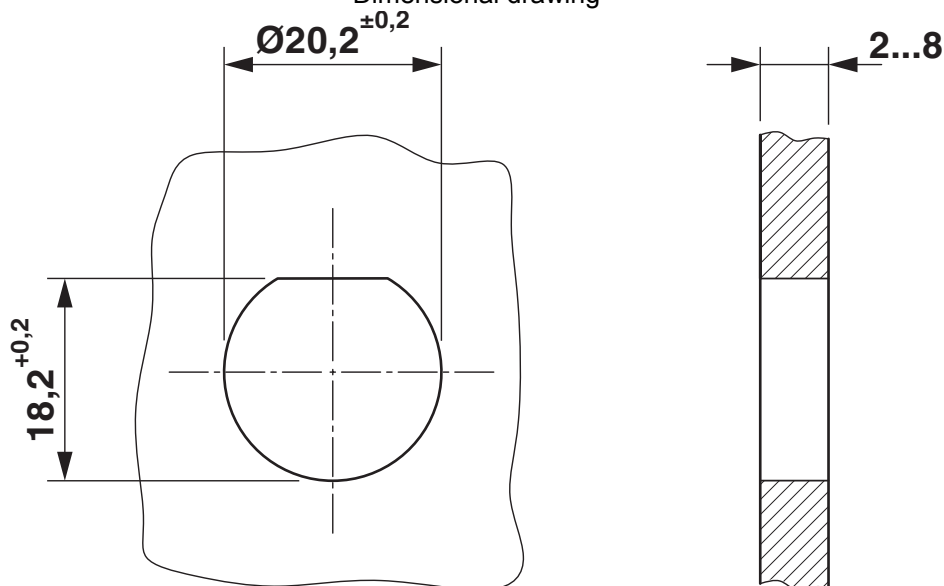
Drawings

Dimensional drawing

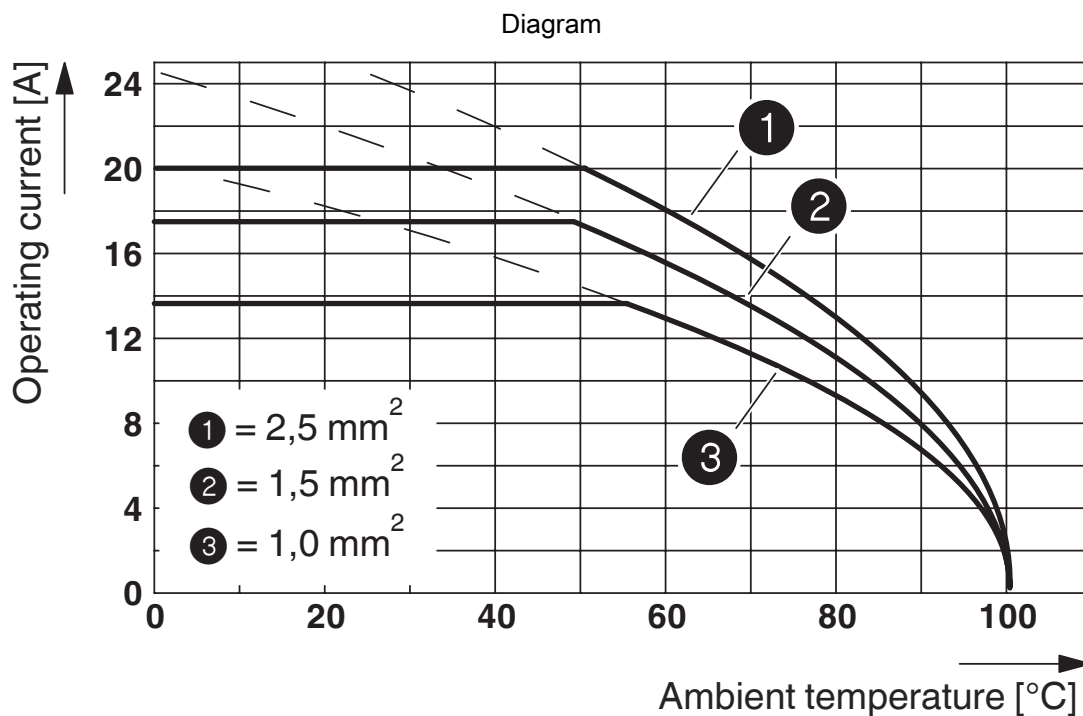


Dimensional drawing of the QPD W 5x2,5 M20 without nut

Dimensional drawing



Housing cutout



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Approvals

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IECEE CB Scheme
Approval ID: DE1-65875



DNV GL
Approval ID: TAE00003J5



VDE Zeichengenehmigung
Approval ID: 40029149

 UL Listed Approval ID: E468743				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	10 A	- 14	- 14

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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	10 A	- 14	-

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Classifications

ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

ETIM

ETIM 9.0	EC002566
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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EF3.0 Climate Change

CO2e kg	0.328 kg CO2e
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