

QPD P 4PE2,5 6-11 TL BK 1CP - Connector



1230776

<https://www.phoenixcontact.com/in/products/1230776>

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Connector, product family: QPD, number of positions: 4+PE, 20 A, PA, black, and 1x CP-QPD 5X2,5 coding profile

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
- Easy maintenance – the connectors enable fast device replacement and preassembled cables simplify startup

Commercial data

Item number	1230776
Packing unit	1 pc
Minimum order quantity	100 pc
Sales key	*****
Product key	AF6BCB
GTIN	4063151329365
Weight per piece (including packing)	73.9 g
Weight per piece (excluding packing)	73.9 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	Installation connector
Product family	QPD
Type	QPD 5x2,5
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE

Electrical properties

Contact resistance	< 4 mΩ
Nominal voltage U_N	690 V
Nominal current I_N	20 A

Connection data

Connection technology

Frequency of connections between conductors of the same cross section	max. 10
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Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Contact	Cu
Material Contact surface	silver-plated
Flammability rating according to UL 94	V0

Cable/line

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
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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)

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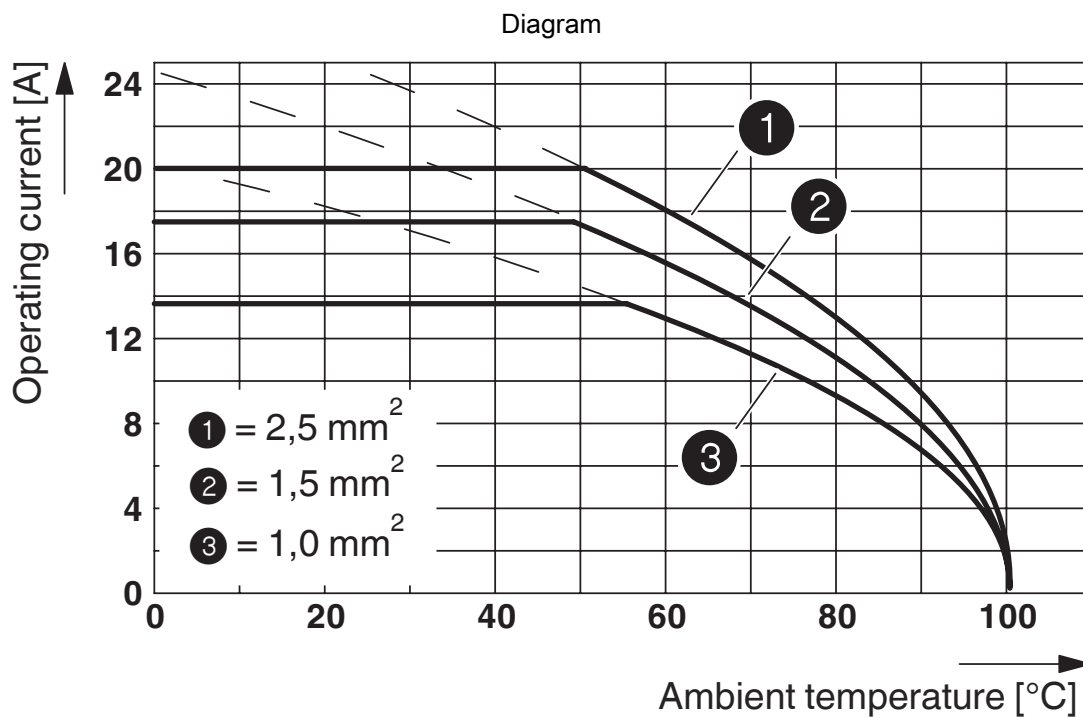


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Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

Drawings



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1230776>

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

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

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Classifications

ECLASS

ECLASS-11.0	27440605
ECLASS-13.0	27440605
ECLASS-12.0	27440605

ETIM

ETIM 9.0	EC002560
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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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Accessories

CP-QPD 5X2,5 - Coding profile

1404530

<https://www.phoenixcontact.com/in/products/1404530>



Coding profile, red, for insertion into the 5-pos. QUICKON dome and connector, can be positioned in 72° increments.

QPD QSK 5X2,5 - Protective cap

1404528

<https://www.phoenixcontact.com/in/products/1404528>



Protective cap, transparent plastic, for 5x 2.5 mm² QPD QUICKON connection, IP50.

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QPD PSK 5X2,5 - Protective cap

1404529

<https://www.phoenixcontact.com/in/products/1404529>

Protective cap, transparent plastic, for 5 x 2.5 mm² QPD connector, IP50.



SEALING PLUG 10X16 RD - Sealing plug

1400284

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

Sealing plug, for threads pluggable, color: red



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QSS 27 - Socket wrench

1670646

<https://www.phoenixcontact.com/in/products/1670646>



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 27 mm

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PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

info@phoenixcontact.co.in