QPD P 4PE6,0 9-14 TL BKBK - Connector

1002892

https://www.phoenixcontact.com/in/products/1002892

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Connector, product family: QPD, connection method: IDC connection, number of positions: 4+PE, 2.5 mm^2 ... 6 mm^2, 40 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 9 mm ... 14 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
- 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	1002892
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	AF6BCC
GTIN	4055626465500
Weight per piece (including packing)	103.5 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Product properties

Product type	Installation connector
Product family	QPD
Type	QPD 5x6,0
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Number of connections	5
Number of connections per position	1
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Contact resistance	< 4 mΩ
Nominal voltage U_N	690 V
Nominal current I_N	40 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	2.5 mm² ... 6 mm²
Conductor cross section solid	2.5 mm² ... 6 mm²
Connection cross section AWG	14 ... 10
Tightening torque Union nut	15 Nm

Dimensions

Width	39.6 mm
Height	44.1 mm
Length	97.5 mm
Diameter	44.1 mm

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/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
External cable diameter	9 mm ... 14 mm
Wire diameter including insulation	2.95 mm ... 5 mm
Position marking	1, 2, 3, N, PE
Material wire insulation	PVC/PE/TPE/rubber
Halogen-free	yes

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50

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 ... 100 °C

Drawings

Diagram

Operating current [A] vs Ambient temperature [°C]

1 = 2,5 mm^2
2 = 1,5 mm^2
3 = 1,0 mm^2

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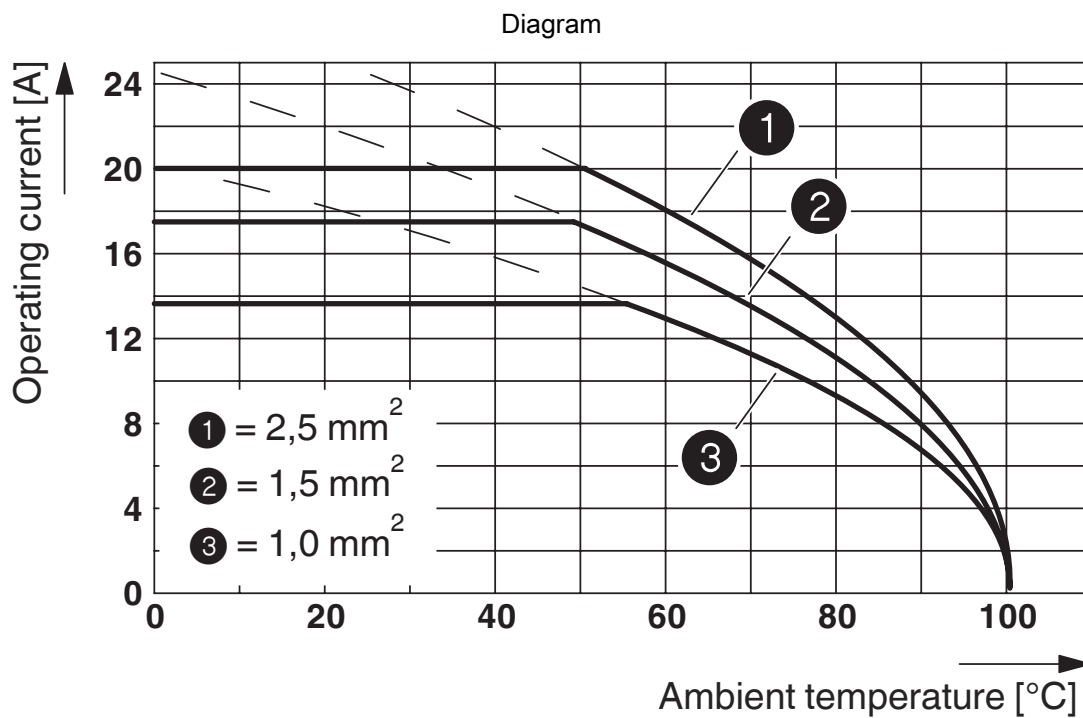
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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1002892

IECEE CB Scheme
Approval ID: DE1-65875

VDE approval of drawings
Approval ID: 40029149

UL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	20 A	-	- 12

cUL Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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cULus Listed

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002560

UNSPSC

UNSPSC 21.0	39121400

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 5X6,0 - Coding profile

1411402

https://www.phoenixcontact.com/in/products/1411402

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

QPD QSK 5X6,0 - Protective cap

1411403

https://www.phoenixcontact.com/in/products/1411403

Protective cap, product family: QPD, black, For QPD Quickon connection 5 x 6. 00 mm^2

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QPD PSK 5X6,0 - Protective cap

1411404

https://www.phoenixcontact.com/in/products/1411404

Protective cap, transparent plastic, for 5x 6.0 mm^2 QPD QUICKON connection, 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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