

Connector - QPD P 4PE6,0 12-20 TL BK - 1039565

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Connector, QUICKON connection, number of positions: 4+PE, 2.5 mm² ... 6 mm², 690 V, 40 A, black, with QUICKON nut, cable diameter range: 12 mm ... 20 mm

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Convenient: quick and easy assembly without special tools
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection thanks to polarization against mismatching and touch-proof protection according to DIN EN 0105
- Easy maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 597119
GTIN	4055626597119

Technical data

General

Type	QPD 5x6,0
Color	black
Locking type	Screw locking
Connection method	QUICKON connection IDC connection
Number of positions	5
Note number of positions	4+PE
Tightening torque, union nut	15 Nm
Number of connections	5
Conductor cross section flexible min.	2.5 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	10

Cabel

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Technical data

Cabel

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
Wire insulation material	PVC/PE/TPE/rubber
Wire diameter including insulation	2.95 mm ... 5 mm
External cable diameter	12 mm ... 20 mm
Position marking	1, 2, 3, N, PE

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I_N	40 A
Nominal voltage U_N	690 V
Rated current	40 A
rated voltage (III/3)	690 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV

Mechanical characteristics

QUICKON connectability	max. 10
Insertion/withdrawal cycles	max. 50
Category of shock impact	IK07

Material data

Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

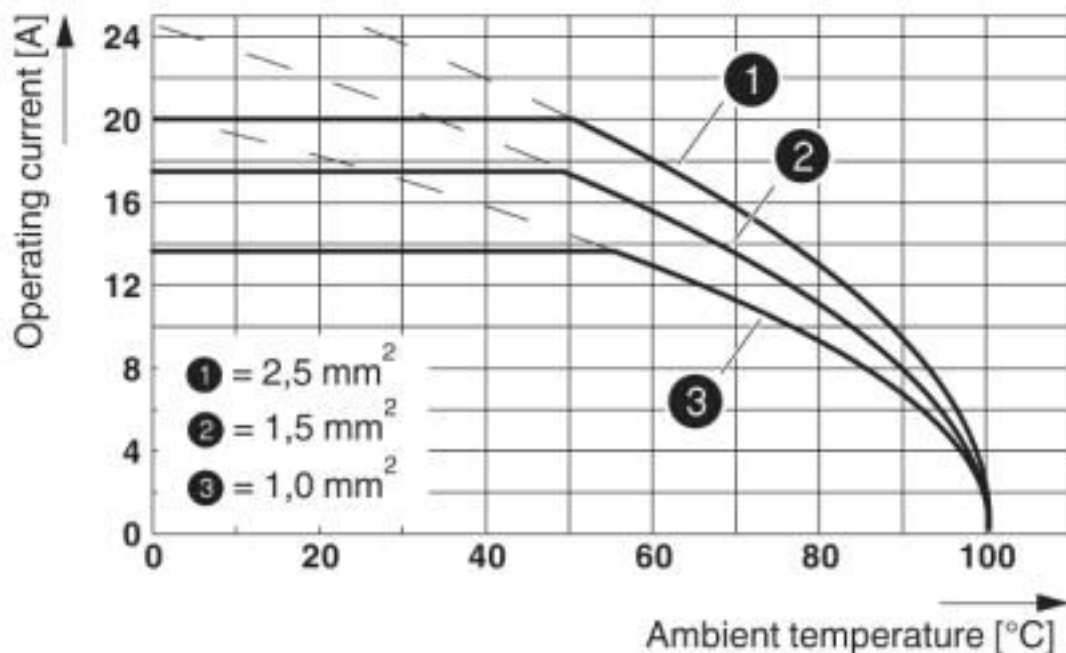
Standards and Regulations

Category of shock impact	IK07
Flammability rating according to UL 94	V0

Drawings

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Diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27440605
eCl@ss 11.0	27440605
eCl@ss 9.0	27440605

ETIM

ETIM 6.0	EC002560
ETIM 7.0	EC002560

Approvals

Approvals

Approvals

EAC / VDE Zeichengenehmigung / UL Listed / cUL Listed

Ex Approvals

Approval details

Connector - QPD P 4PE6,0 12-20 TL BK - 1039565

Approvals

EAC		RU C- DE.BL08.B.00511
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VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
Nominal voltage UN	690 V		
Nominal current IN	20 A		
mm ² /AWG/kcmil	1-2.5		

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743
Nominal voltage UN	600 V		
Nominal current IN	20 A		
mm ² /AWG/kcmil	12		

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743
Nominal voltage UN	600 V		
Nominal current IN	20 A		
mm ² /AWG/kcmil	12		

Accessories

Accessories

Coding element

Coding profile - CP-QPD 5X6,0 - 1411402



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

Protective cap

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Accessories

Protective cap - QPD QSK 5X6,0 - 1411403



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

Protective cap - QPD PSK 5X6,0 - 1411404



Protective cap, transparent plastic, for 5x 6.0 mm² QPD QUICKON connection, IP50.

Sealing plugs

Closing cap - SEALING PLUG 14X22 RD - 1400270



Closing cap, material: PA, for threads pluggable, color: red

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