Connector - QPD P 4PE6,0 9-14 BK - 1410386

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Connector, QUICKON connection, No. of pos.: 4+PE, 2.5 mm² ... 6 mm², 690 V, 40 A, black, With QUICKON nut, Cable diameter: 9 mm ... 14 mm

Why buy this product

- 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 929592
GTIN	4046356929592
Weight per Piece (excluding packing)	100.000 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

General

Design	QPD 5x6,0
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection

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Technical data

General

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 mm²
Conductor cross section flexible max.	6 mm²
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	10

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	9 mm ... 14 mm
Position marking	1, 2, 3, N, PE

Ambient conditions

Degree of protection	IP66
	IP68 ()
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I_N	40 A
Rated current	40 A
Rated voltage (III/3)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 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
Category of shock impact	IK07

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Technical data

Material data

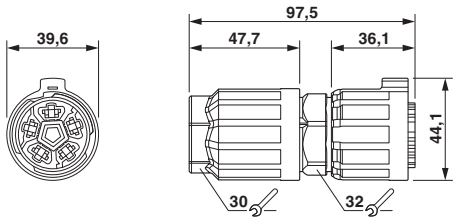
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

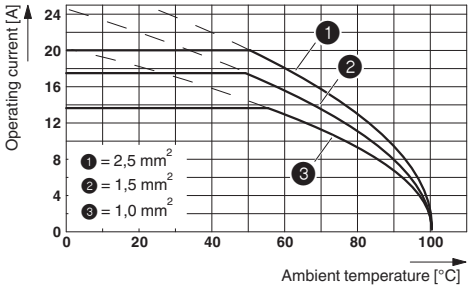
Flammability rating according to UL 94	V0

Drawings

Dimensional drawing



Diagram



Approvals

Approvals

Approvals

EAC / GL / VDE approval of drawings / IECEE CB Scheme

Ex Approvals

Approval details

EAC	EAC	EAC-Zulassung

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Approvals

GL		http://exchange.dnv.com/tari/	6195914 HH

VDE approval of drawings		http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx	40029149

mm²/AWG/kcmil	2.5-6.0
Nominal current IN	40 A
Nominal voltage UN	690 V

IECEE CB Scheme		http://www.iecee.org/	DE1-58228

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