



Extract from the online
catalog

QPD P 4X2,5 6-10 GY

Order No.: 1582372



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1582372>

QUICKON connector, gray, 4-pos. without PE, 1.0 mm² ... 2.5 mm² / 690 V / 16 A, for conductors with a diameter of 6 mm ... 10 mm.

Commercial data

GTIN (EAN)	4046356463539
sales group	D073
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.0393 KG
Catalog page information	Page 394 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
10/31/2008



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Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General characteristics

Design	QPD 4x2,5
Color	gray
Locking type	Screw locking
Connection method	QUICKON connection
Type of connection	IDC connection

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Number of positions	4
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Number of connections	4
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	1 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	14

Conductor data

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
Wire diameter including insulation	2.5 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm

Environmental conditions

Degree of protection	IP68, 24 h / 2 m
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Temperature when conductor connected	-5 °C ... 50 °C

Electrical characteristics

Nominal current I _N	20 A
Rated current	20 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
Insertion/withdrawal cycles	50

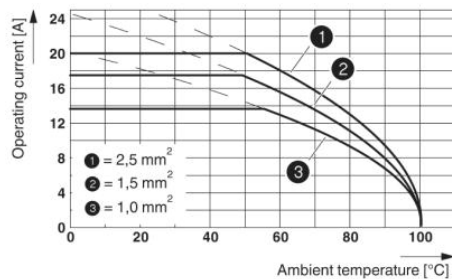
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Material data

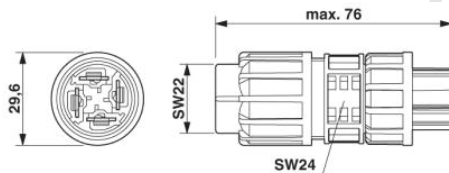
Contact material	CuZn
Contact surface material	Tin-plated
Contact carrier material	PA
Insulating material	PA
Inflammability class acc. to UL 94	V0
Surge voltage category	III
Pollution degree	3

Diagrams/Drawings

Diagram



Dimensioned drawing

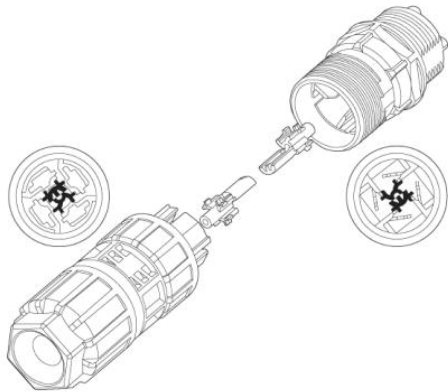


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Schematic diagram

Encoding of the QUICKON nut



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