


QPD P 4X2,5 6-10 GY

Order No.: 1582372

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

GTIN (EAN)	 4 046356 463539
sales group	D073
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 394 (PC-2009)

Product notesWEEE/RoHS-compliant since:
10/31/2008

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Technical data**General characteristics**

Design	QPD 4x2,5
Color	gray
Locking type	Screw locking
Connection method	QUICKON connection
Type of connection	IDC connection
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)	630 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

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

Certificates / Approvals

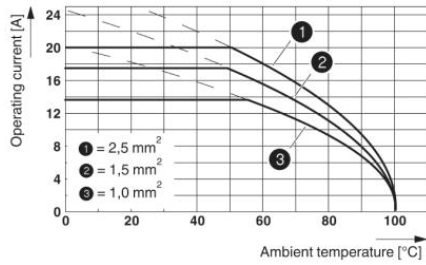
Certification	CB, VDE-PZI
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Accessories

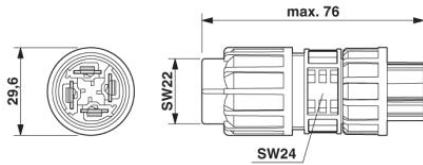
Item	Designation	Description
General		
0806932	GPE 13X 9 WH	Plastic label sheet, self-adhesive double layer plastic labels, square corners, material thickness: 0.8 mm, suitable for plotting and engraving, color: white
1582462	KV-DI-PG16-1XASI	Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection
1582464	KV-DI-PG16-2XASI	Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection
1582151	QPD PSK 2,5	Protective cap made of transparent plastic for QPD connectors 4x 2.5 mm ² , IP50.
Marking		
0819453	EMLP (13X9)R	Labels for thermal transfer printer
Plug/Adapter		
1582459	CP-QPD	Keying profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.
Tools		
1670206	QSS 22	Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

Diagrams/Drawings

Diagram

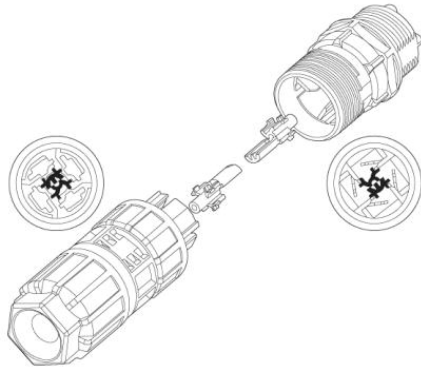


Dimensioned drawing



Schematic diagram

Keying of the QUICKON plug-in connection



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