


QPD H 3PE2,5 6-10 BK

Order No.: 1582145

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1582145>**Commercial data**

GTIN (EAN)	 4 046356 316804
sales group	D073
Pack	1 pcs.
Customs tariff	85366990
Catalog page information	Page 388 (PC-2009)

Product notesWEEE/RoHS-compliant since:
09/06/2007

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Technical data**General characteristics**

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

Note number of positions	3+PE
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.	2.5 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

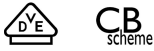
Mechanical characteristics

QUICKON connectability	max. 10
Insertion/withdrawal cycles	50 (Quickon connections max. 10)

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

Accessories

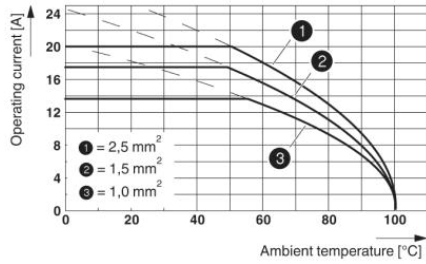
Item	Designation	Description
General		
0806932	GPE 13X 9 WH	Plastic label sheet, self-adhesive double layer plastic labels, square corners, material thickness: 0.8 mm, suitable for plotting and engraving, color: white
1582235	QPD CLIP 2,5 BK	Holding clip for Quickon-H distributor, for snapping on and removal without tools.
1582202	QPD P 3PE2,5 6-10 BK	
1582205	QPD P 3PE2,5 9-14 BK	
1582488	QPD QSK 2,5 FS	Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68
Plug/Adapter		
1582459	CP-QPD	Keying profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.
Protection and sealing elements		
1400284	SEALING PLUG 10X16 RD	Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 10 mm

Tools

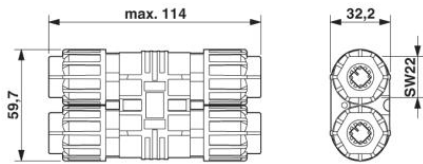
1670206	QSS 22	Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm
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Diagrams/Drawings

Diagram

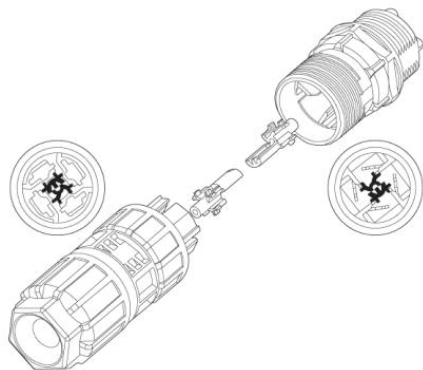


Dimensioned drawing



Dimensional drawing

Schematic diagram



Keying of the QUICKON plug-in connection

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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