

QPD P 3PE2,5 6-10 BK

Order No.: 1582202



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QUICKON-connector, black, 3+PE-pos., 1.0 mm² ...
2.5 mm²/630 V/20 A, with QUICKON nut, for cables with a diameter of
6 mm ... 10 mm.

Commercial data

EAN	4 046356 316927
sales group	D073
Pack	1 Pcs.
Customs tariff	85366990
Gross weight in pieces	0.0448 KG
Net weight per piece	0.038 KG
Catalog page information	Page 390 (C-4-2013)

Product notes

WEEE/RoHS-compliant since:
09/18/2007



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Technical data

General

Type	QPD 4x2,5
Color	black
Locking type	Screw locking
Connection method	QUICKON 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 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

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	2.5 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm

Ambient conditions

Degree of protection	IP68 (2 m / 24 h)
	IP69K
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
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Insertion/withdrawal cycles	50
Material data	
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Inflammability class according to UL 94	V0
Surge voltage category	III
Pollution degree	3

Certificates / Approvals



Certification

cULus Listed, GOST, VDE Zeichengenehmigung, GL

Certifications applied for:

Certification Ex:

Accessories

Item	Designation	Description
Connector/Adapter		
1582459	CP-QPD	Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.
General		
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 mm², IP50.

Marking

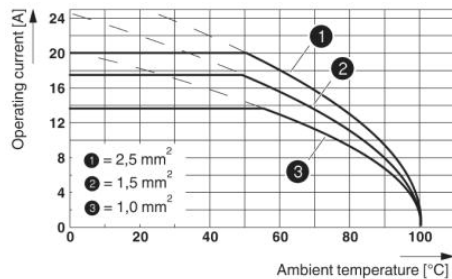
0819453	EMLP (13X9)R	Plastic label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: 13 x 9 mm
0806932	GPE 13X 9 WH	Engraving material, Sheet, white, unlabeled, can be labeled with: Engraving, Plotter, Mounting type: Adhesive, Lettering field: 13 x 9 mm

Tools

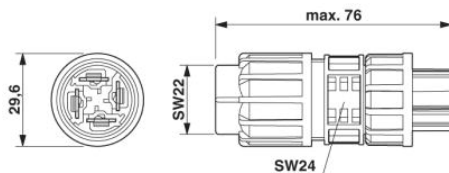
1670206	QSS 22	Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm
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Drawings

Diagram



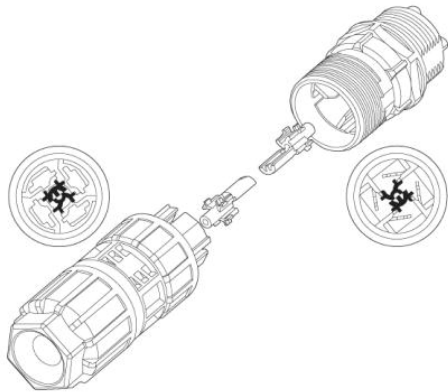
Dimensioned drawing



Dimensional drawing: connector, 2.5 mm²

Schematic diagram

Coding of the QUICKON plug-in connection



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