

Connector - QPD P 4X2,5 6-10 BK GY - 1582639

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



QUICKON connector, gray, 4-pos. without PE, 1.0 mm² ... 2.5 mm²/630 V/20 A, for cables with a diameter of 6 mm ... 10 mm.

Key commercial data

package_quantity	1
GTIN	4046356618052

Technical data

General

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

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

Ambient conditions

Degree of protection	IP68 (2 m / 24 h)
Ambient temperature (operation)	-40 °C ... 80 °C

Connector - QPD P 4X2,5 6-10 BK GY - 1582639

Technical data

Ambient conditions

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 according to UL 94	V0
Surge voltage category	III
Pollution degree	3

classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522

Connector - QPD P 4X2,5 6-10 BK GY - 1582639

classifications

UNSPSC

UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

approvals

GOST /

Approval details



accessories

Device marking

EMLP (13X9)R - 0819453



GPE 13X 9 WH - 0806932



Socket spanner

QSS 22 - 1670206



Connector - QPD P 4X2,5 6-10 BK GY - 1582639

accessories

Protective cap

QPD PSK 2,5 - 1582151



Coding element

CP-QPD - 1582459



Seal

KV-DI-PG16-1XASI - 1582462



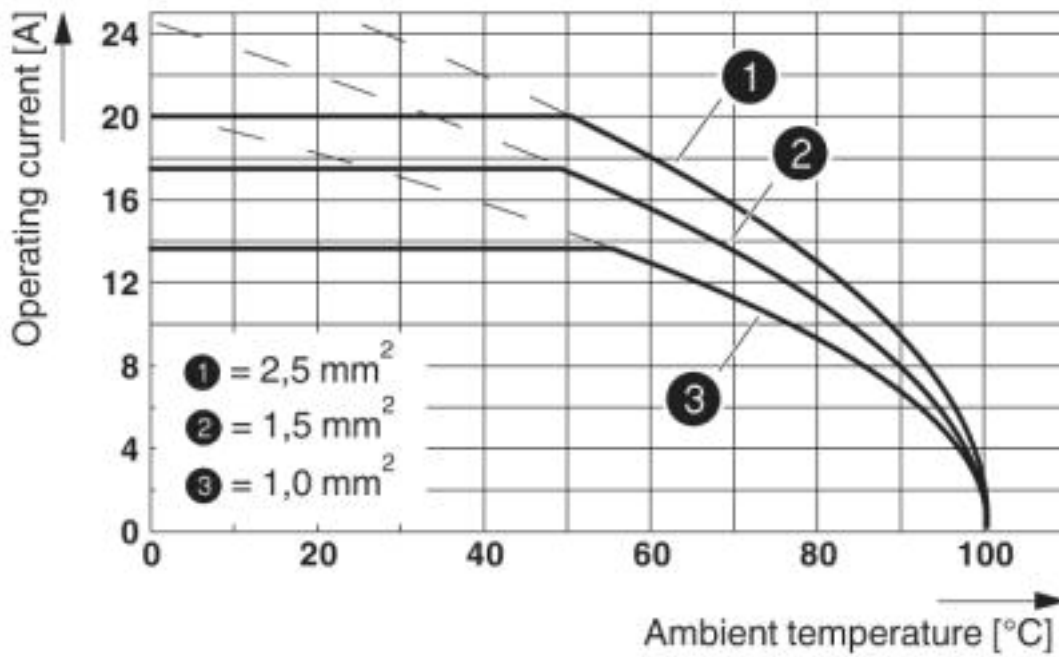
KV-DI-PG16-2XASI - 1582464



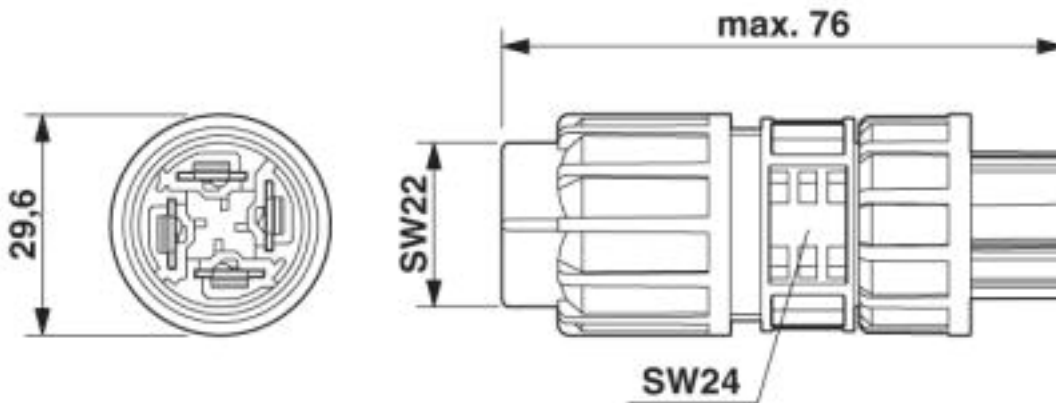
Drawings

Connector - QPD P 4X2,5 6-10 BK GY - 1582639

Diagram

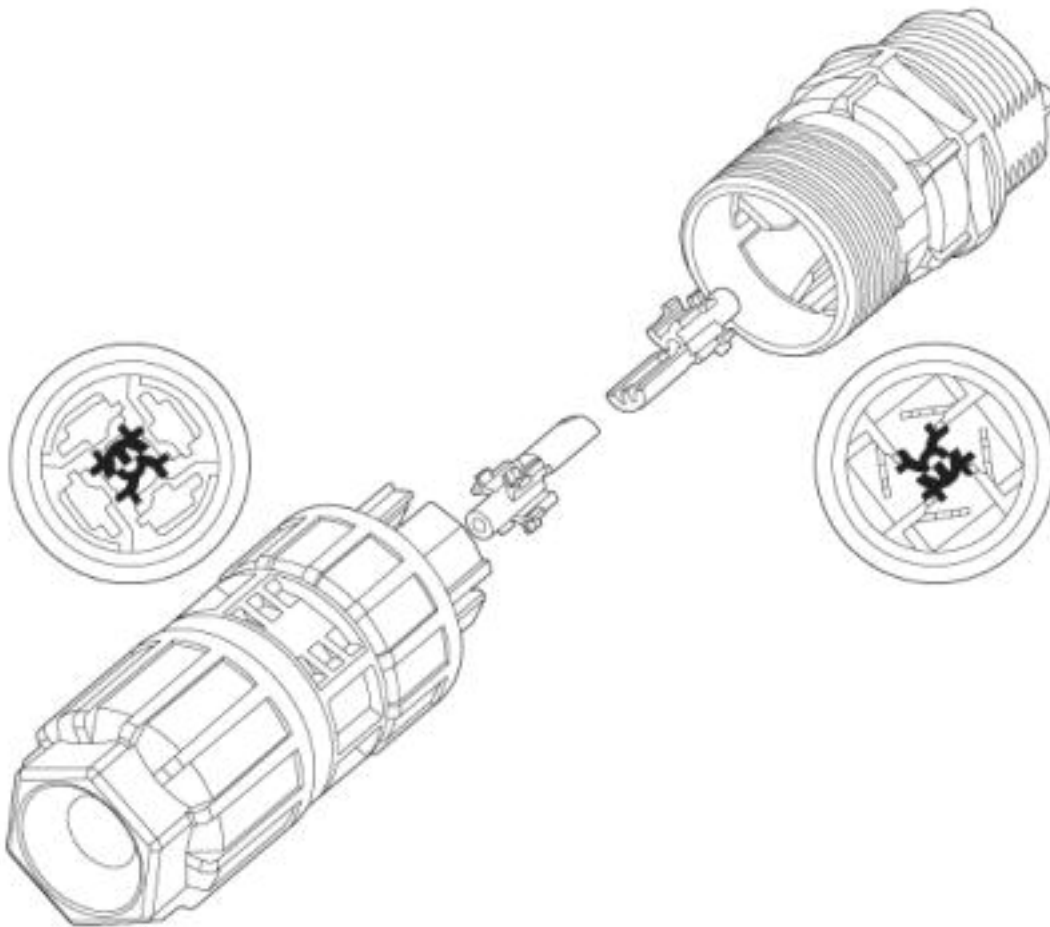


Dimensioned drawing



Connector - QPD P 4X2,5 6-10 BK GY - 1582639

Schematic diagram



Coding of the QUICKON plug-in connection

© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>