

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

1582372

<https://www.phoenixcontact.com/it/products/1582372>



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 documentation. Our general terms of use for downloads are valid.



Connector, product family: QPD, connection method: IDC connection, number of positions: 4, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, gray, external cable diameter: 6 mm ... 10 mm

Commercial data

Item number	1582372
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF6
Product key	BF6BBB
Catalog page	Page 104 (PC-2011)
GTIN	4046356463539
Weight per piece (including packing)	47.2 g
Weight per piece (excluding packing)	39.3 g
Customs tariff number	85366990
Country of origin	DE

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



1582372

<https://www.phoenixcontact.com/it/products/1582372>

Technical data

Product properties

Product type	Installation connector
Product family	QPD
Type	QPD 4x2,5
Number of positions	4
Connection profile	4
Position marking	1, 2, 3, 4
Number of connections	4
Number of connections per position	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	20 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal voltage U_N	690 V
Nominal current I_N	20 A

Connection data

Connection technology

Connection method On the field side	IDC connection
Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Conductor cross section flexibel	1 mm ² ... 2.5 mm ²
Conductor cross section solid	1 mm ² ... 2.5 mm ²
Connection cross section AWG	16 ... 14
Tightening torque Union nut	10 Nm
Wrench size Union nut	22 mm

Dimensions

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

1582372

<https://www.phoenixcontact.com/it/products/1582372>



Dimensional drawing	
Width	29.6 mm
Height	29.6 mm
Length	76 mm
Diameter	29.6 mm

Material specifications

Material Housing	PA
Material Contact	CuZn
Material Contact surface	tin-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC / PE

Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	6 mm ... 10 mm
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, 4
Material wire insulation	PVC / PE

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
-----------------------------	---------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

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

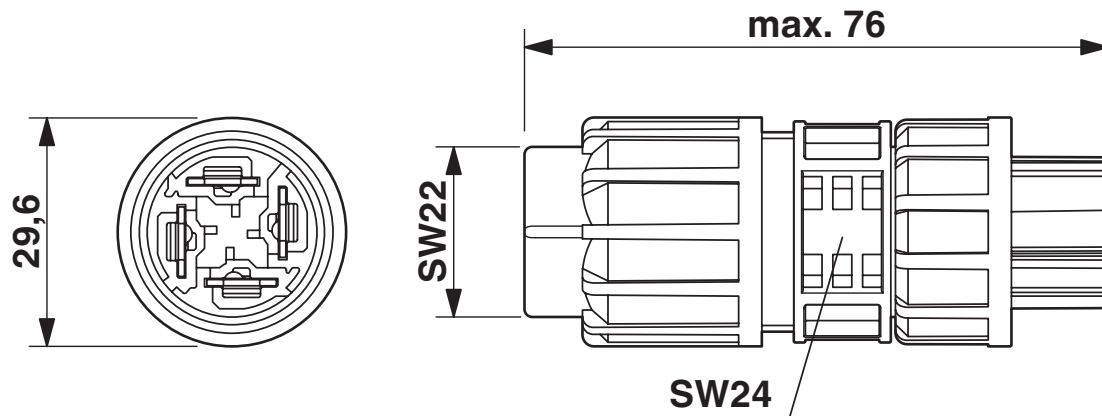
1582372

<https://www.phoenixcontact.com/it/products/1582372>

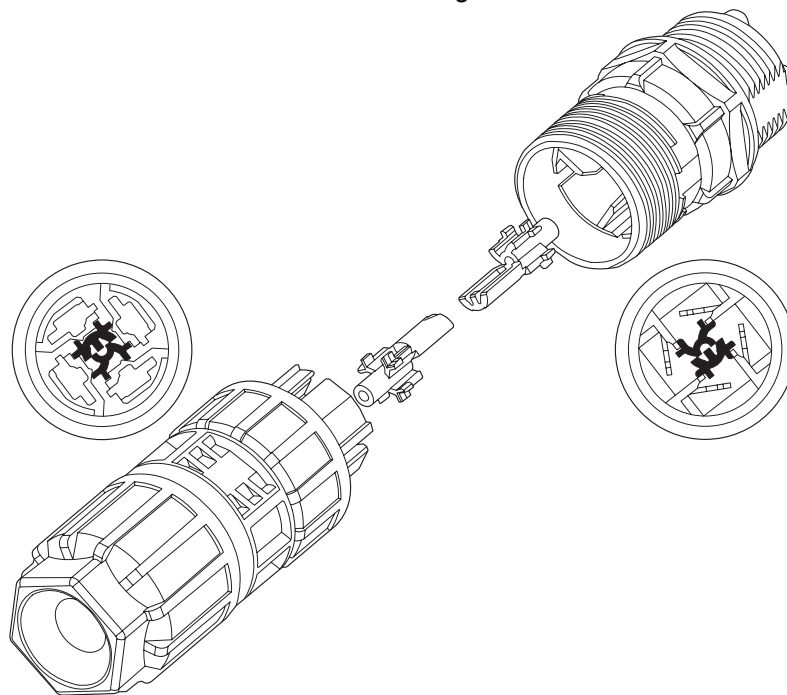


Drawings

Dimensional drawing



Schematic diagram

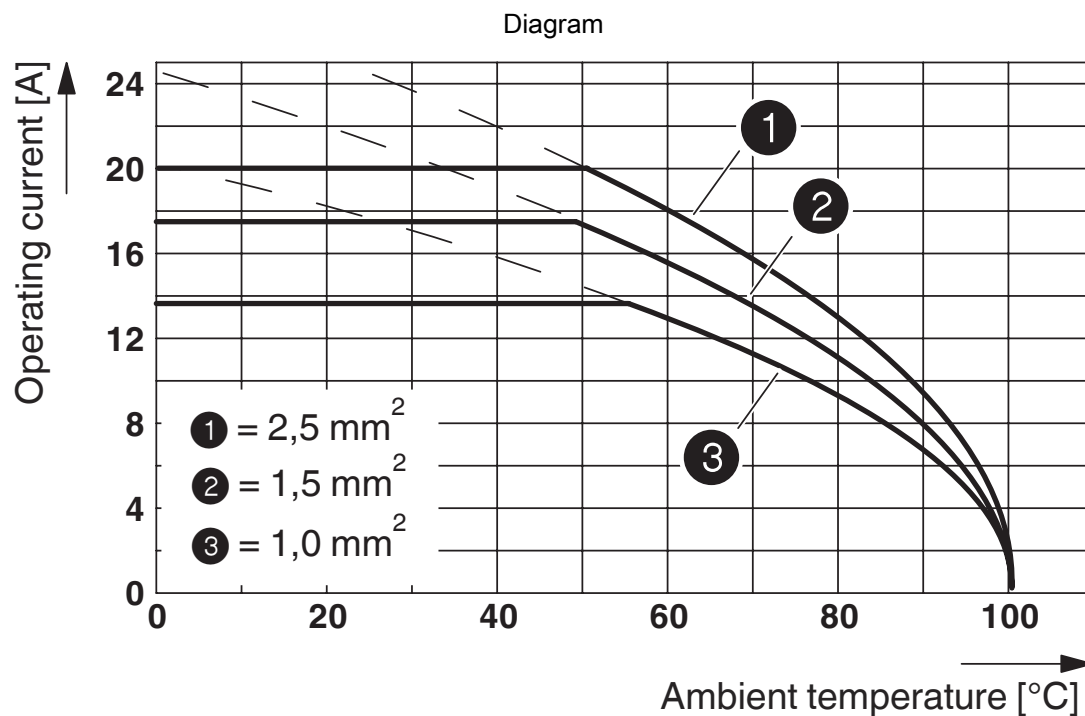


Coding of the QUICKON plug-in connection

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

1582372

<https://www.phoenixcontact.com/it/products/1582372>



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



1582372

<https://www.phoenixcontact.com/it/products/1582372>

Classifications

ECLASS

ECLASS-11.0	27440605
ECLASS-13.0	27440605

UNSPSC

UNSPSC 21.0	39121402
-------------	----------

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

1582372

<https://www.phoenixcontact.com/it/products/1582372>



Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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



1582372

<https://www.phoenixcontact.com/it/products/1582372>

Accessories

EMLP (13X9)R - Label

0819453

<https://www.phoenixcontact.com/it/products/0819453>

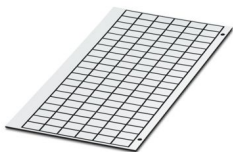


Label, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 500

GPE 13X 9 WH - Engraving material

0806932

<https://www.phoenixcontact.com/it/products/0806932>



Engraving material, Sheet, white, unlabeled, can be labeled with: PLOTMARK, ENGRAVING UNIT, CMS-P1-PLOTTER, P1 ENGRAVING UNIT, mounting type: adhesive, lettering field size: 13 x 9 mm, Number of individual labels: 120

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

1582372

<https://www.phoenixcontact.com/it/products/1582372>



QPD PSK 2,5 - Protective cap

1582151

<https://www.phoenixcontact.com/it/products/1582151>

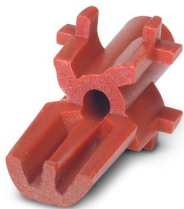


Protective cap made of transparent plastic for QPD connectors 4x 2.5 mm², IP50.

CP-QPD - Coding profile

1582459

<https://www.phoenixcontact.com/it/products/1582459>



Coding profile red, for pushing into the QUICKON dome and connector, can be positioned in 90° steps.

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



1582372

<https://www.phoenixcontact.com/it/products/1582372>

KV-DI-PG16-1XASI - Seal

1582462

<https://www.phoenixcontact.com/it/products/1582462>



Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

KV-DI-PG16-2XASI - Seal

1582464

<https://www.phoenixcontact.com/it/products/1582464>



Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

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

1582372

<https://www.phoenixcontact.com/lt/products/1582372>



QSS 22 - Socket wrench

1670206

<https://www.phoenixcontact.com/lt/products/1670206>



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

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact UAB

Svitrigailos str. 11B

03228 Vilnius

+370 5 2106321

balticinfo@phoenixcontact.com