

QPD H 4X2,5 6-10 GY - H distributor



1582239

<https://www.phoenixcontact.com/us/products/1582239>

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H distributor, QUICKON connection, number of positions: 4, 1 mm² ... 2.5 mm², 690 V, 20 A, gray, with QUICKON nut, external cable diameter: 6 mm ... 10 mm

Commercial Data

Item number	1582239
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	BF50
Product Key	BF6DBB
Catalog Page	Page 94 (PC-2011)
GTIN	4046356463386
Weight per Piece (including packing)	150.6 g
Weight per Piece (excluding packing)	144.7 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Mounting

Wrench size	22 mm
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Product properties

Type	H-distributor
Product type	Power distributor
Product family	QPD
Number of positions	4
Connection profile	4
Position marking	1, 2, 3, 4
No. of cable outlets	4
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

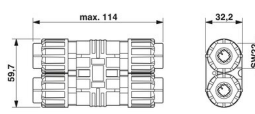
Connection technology

Connection technology	QUICKON connection
Connection system, internal	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
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm

Dimensions

Dimensional drawing	
Width	59.7 mm
Height	32.2 mm
Length	114 mm
Wrench size	22 mm

Electrical properties

QPD H 4X2,5 6-10 GY - H distributor



1582239

<https://www.phoenixcontact.com/us/products/1582239>

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50
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Material specifications

Color	gray
Material Housing	PA
Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Tin-plated
Contact carrier material	PA

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
Material wire insulation	PVC / PE
Position marking	1, 2, 3, 4
Wire diameter including insulation	2 mm ... 3.8 mm
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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	Distance from the nozzle 150 mm
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C

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1582239

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Ambient temperature (storage/transport)

-40 °C ... 100 °C

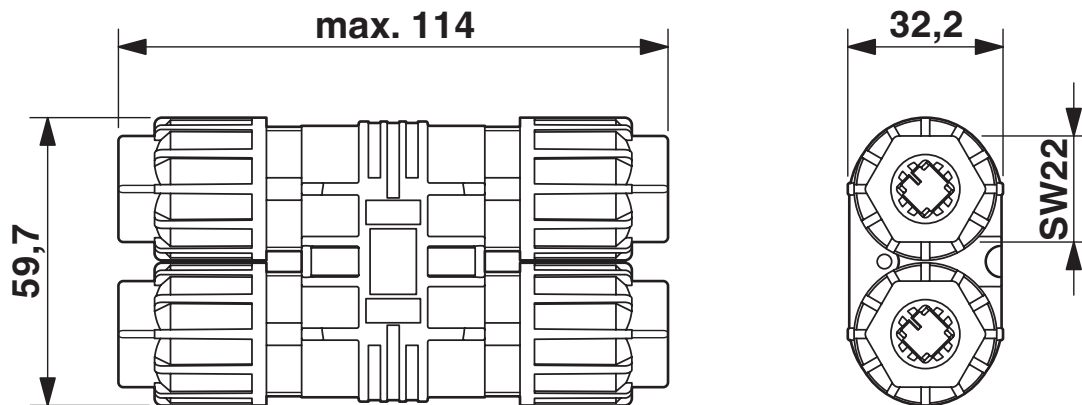
QPD H 4X2,5 6-10 GY - H distributor

1582239

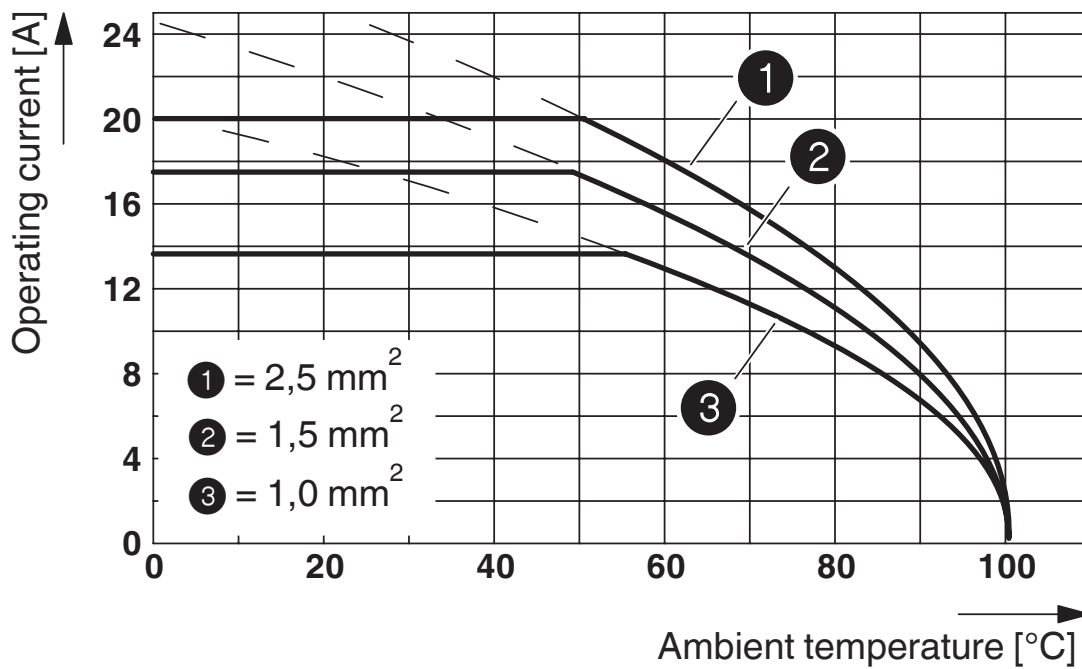
<https://www.phoenixcontact.com/us/products/1582239>

Drawings

Dimensional drawing



Diagram



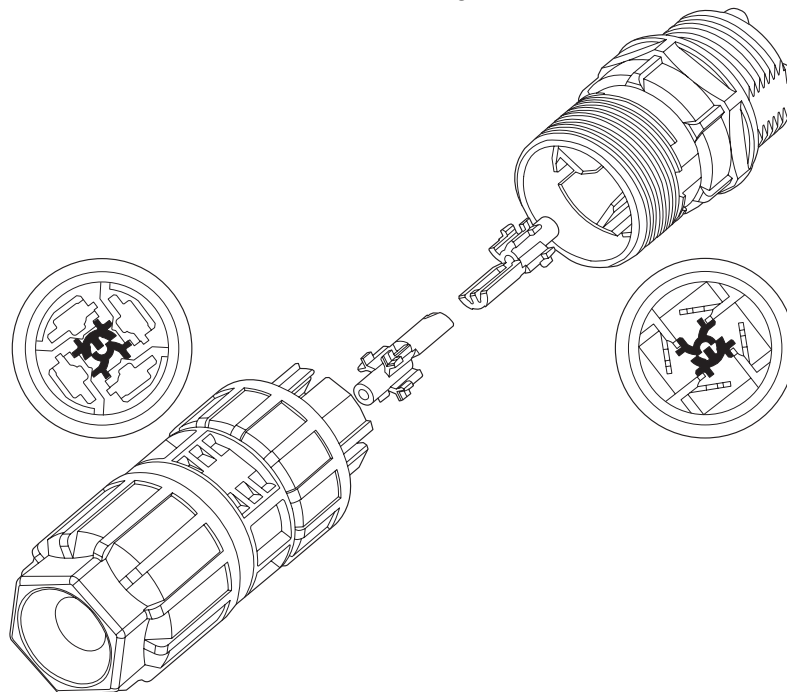
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Schematic diagram



Coding of the QUICKON plug-in connection

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Classifications

ECLASS

ECLASS-10.0.1	27440603
ECLASS-11.0	27440603

ETIM

ETIM 7.0	EC002567
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UNSPSC

UNSPSC 21.0	39121410
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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1582239

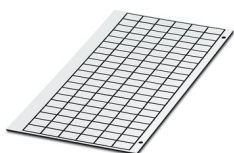
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Accessories

GPE 13X 9 WH - Engraving material

0806932

<https://www.phoenixcontact.com/us/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

QSS 22 - Socket wrench

1670206

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



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

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QPD QSK 2,5 FS - Protective cap

1582488

<https://www.phoenixcontact.com/us/products/1582488>

Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68

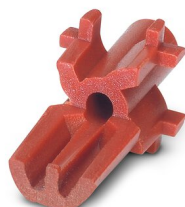


CP-QPD - Coding profile

1582459

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



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1582239

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SEALING PLUG 10X16 RD - Closing cap

1400284

<https://www.phoenixcontact.com/us/products/1400284>

Closing cap, for threads pluggable, color: red



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

1582372

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Connector, QUICKON connection, number of positions: 4, 1 mm² ... 2.5 mm², 690 V, 20 A, gray, external cable diameter: 6 mm ... 10 mm



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1582239

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QPD P 4X2,5 9-14 GY - Connector

1582379

<https://www.phoenixcontact.com/us/products/1582379>



Connector, QUICKON connection, number of positions: 4, 1 mm² ... 2.5 mm², 690 V, 20 A, gray, external cable diameter: 9 mm ... 14 mm

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