

H distributor - QPD H 4X2,5 6-10 GY - 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, cable diameter range: 6 mm ... 10 mm

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 463386
GTIN	4046356463386
Weight per Piece (excluding packing)	144.700 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

General

Type	H-distributor
Color	gray
Connection method	QUICKON connection
	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 flexible min.	1 mm ²
Conductor cross section flexible 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 min.	16

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Technical data

General

Conductor cross section AWG max.	14
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Cabel

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 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm
Position marking	1, 2, 3, 4

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	Distance from the nozzle 150 mm
Ambient temperature (operation)	-40 °C ... 100 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °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
Insertion/withdrawal cycles	50 (QUICKON connections max. 10)
Category of shock impact	IK07 (-25 °C)

Material data

Contact material	CuZn
Contact surface material	Tin-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

Flammability rating according to UL 94	V0
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Environmental Product Compliance

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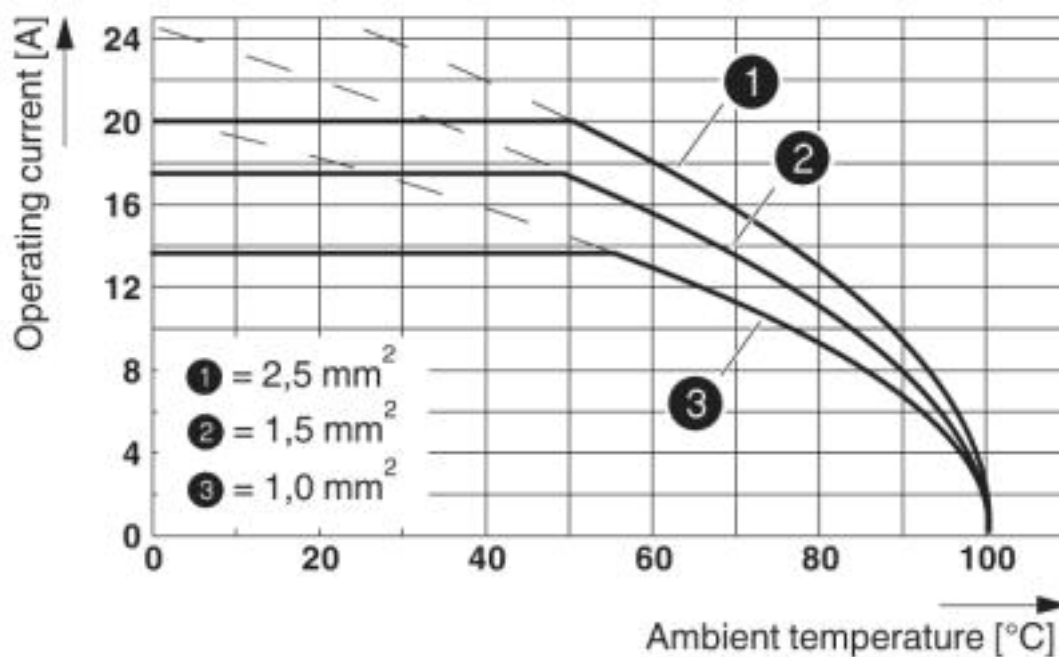
Technical data

Environmental Product Compliance

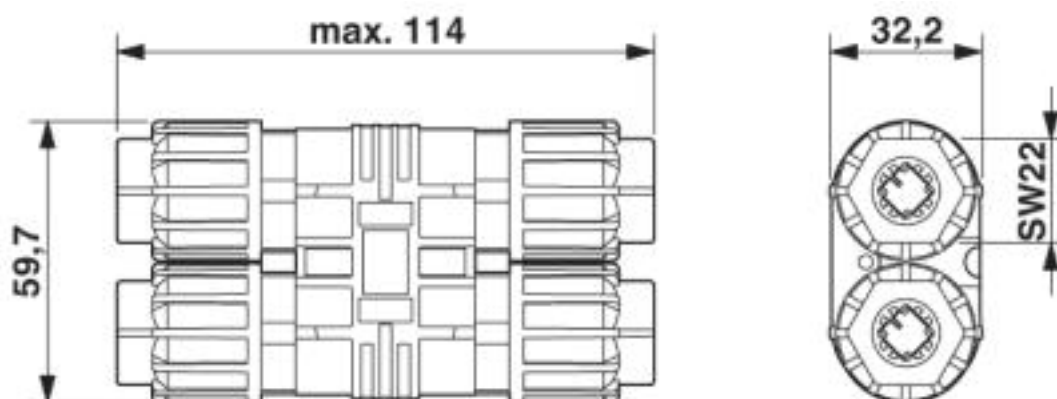
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Diagram

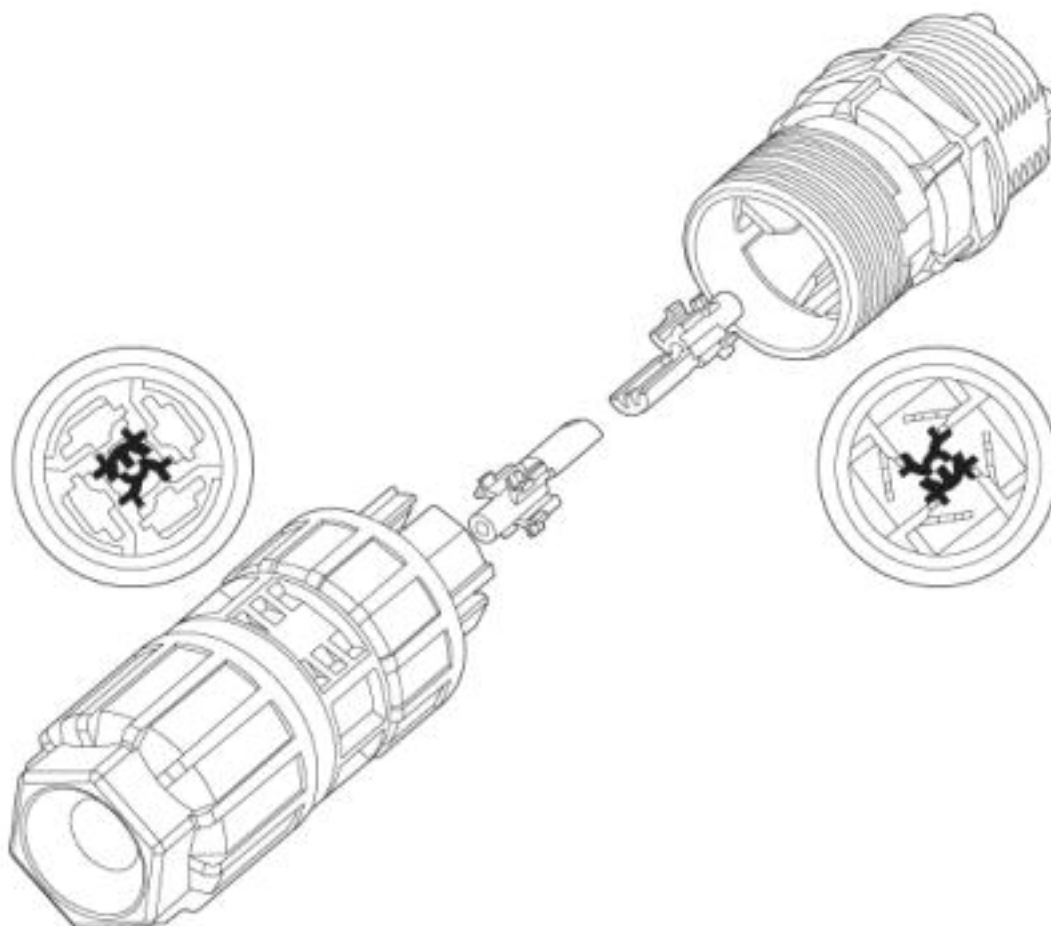


Dimensional drawing



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Schematic diagram



Coding of the QUICKON plug-in connection

Classifications

eCl@ss

eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27440603
eCl@ss 8.0	27440603
eCl@ss 9.0	27440603

ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC000516

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Classifications

ETIM

ETIM 5.0	EC002567
ETIM 6.0	EC002567
ETIM 7.0	EC002567

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	31251501
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

IECEE CB Scheme / VDE Zeichengenehmigung / EAC / DNV GL / EAC

Ex Approvals

Approval details

IECEE CB Scheme		http://www.iecee.org/	DE1-58228
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VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40029149
Nominal voltage UN	690 V		
Nominal current IN	20 A		
mm²/AWG/kcmil	1.5-2.5		

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Approvals

EAC		RU C- DE.AI30.B.01102
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DNV GL		https://approvalfinder.dnvgl.com/	TAE00003J5
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EAC		RU C- DE.BL08.B.00511
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Accessories

Accessories

Coding element

Coding profile - CP-QPD - 1582459



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

Device marking

Engraving material - GPE 13X 9 WH - 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

Installation connector

Connector - QPD P 4X2,5 6-10 GY - 1582372



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

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Accessories

Connector - QPD P 4X2,5 9-14 GY - 1582379



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

Mounting material

Assembly clip - QPD CLIP 2,5 BK - 1582235



Holding clip for Quickon-H distributor, for snapping on and removal without tools.

Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488



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

Sealing plugs

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, material: PA, for threads pluggable, color: red

Socket spanner

Socket wrench - QSS 22 - 1670206



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

