

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

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://phoenixcontact.com/download>)



H distributor, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, with four QUICKON nuts, cable diameter range: 9 mm ... 14 mm

Why buy this product

- ✓ Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- ✓ Convenient: quick and easy assembly without special tools
- ✓ Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- ✓ Safer connection thanks to polarization against mismatching and touch-proof protection according to DIN EN 0105
- ✓ Flexible and compact - by connecting connections internally, H and T-distributors can be used to branch master cables or they can be used as star distributors

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 316811
GTIN	4046356316811
Weight per Piece (excluding packing)	145.120 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

General

Type	H-distributor
Color	black
Locking type	Screw locking
Connection method	QUICKON connection

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Technical data

General

	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 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
Conductor cross section AWG max.	14

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	9 mm ... 14 mm
Position marking	1, 2, 3, PE

Ambient conditions

Degree of protection	IP66
	IP68 ()
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °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 (See also derating-diagram)
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

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Technical data

Mechanical characteristics

QUICKON connectability	max. 10
Insertion/withdrawal cycles	50 (QUICKON connections max. 10)
Category of shock impact	IK07

Material data

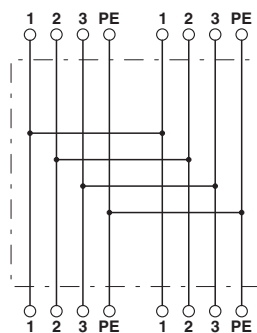
Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Flammability rating according to UL 94	V0
Overvoltage category	III
Degree of pollution	3

Standards and Regulations

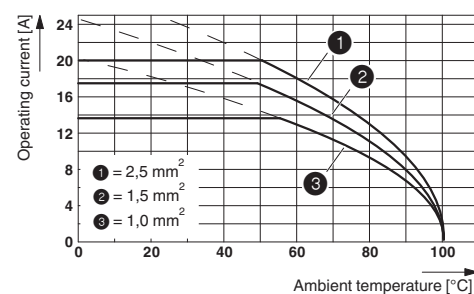
Flammability rating according to UL 94	V0
--	----

Drawings

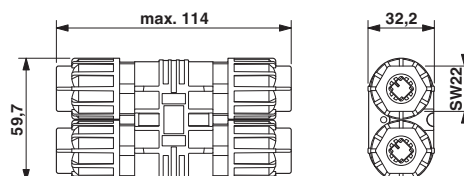
Circuit diagram



Diagram



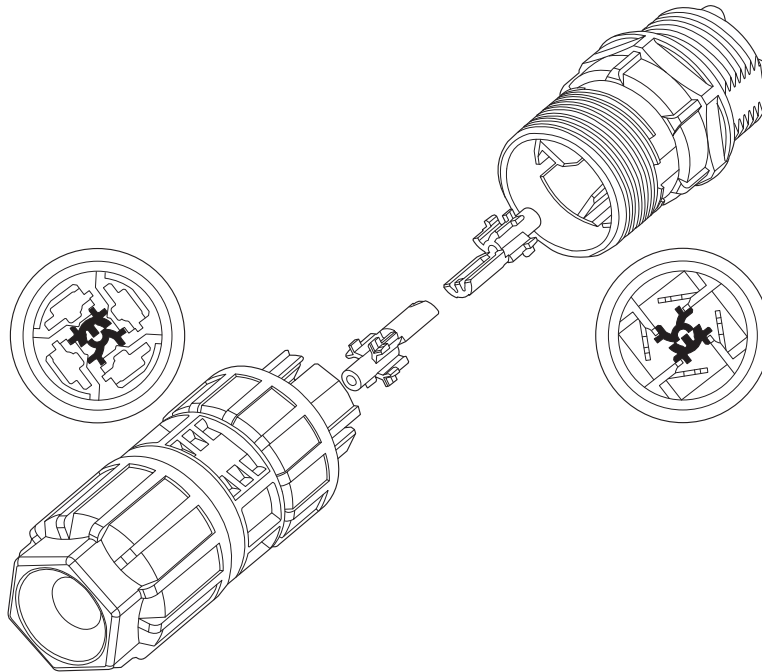
Dimensional drawing



Dimensional drawing

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Schematic diagram



Coding of the QUICKON plug-in connection

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440603
eCl@ss 9.0	27440603

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002635
ETIM 5.0	EC002567
ETIM 6.0	EC002925

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Classifications

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

VDE Zeichengenehmigung / UL Listed / cUL Listed / GL / UL Listed / cUL Listed / IECCEB Scheme / EAC / cULus Listed

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40029149
mm²/AWG/kcmil	1.5-2.5		
Nominal current IN	20 A		
Nominal voltage UN	690 V		

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
mm²/AWG/kcmil	16		
Nominal current IN	10 A		
Nominal voltage UN	600 V		

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Approvals

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
mm²/AWG/kcmil	16		
Nominal current I _N	10 A		
Nominal voltage U _N	600 V		

GL		http://exchange.dnv.com/tari/	6195914 HH
----	---	---	------------

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
mm²/AWG/kcmil		14	
Nominal current I _N		15 A	
Nominal voltage U _N		600 V	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
mm²/AWG/kcmil	14		
Nominal current I _N	15 A		
Nominal voltage U _N	600 V		

IECEE CB Scheme		http://www.iecee.org/	DE1-58228
-----------------	---	---	-----------

EAC		RU C- DE.AI30.B.01102	
-----	---	--------------------------	--

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Approvals

cULus Listed



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: P1 ENGRAVING UNIT, ENGRAVING UNIT, CMS-P1-PLOTTER, PLOTMARK, Mounting type: adhesive, Lettering field: 13 x 9 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

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Accessories

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 14X22 RD - 1400270



Closing cap

Socket spanner

Socket wrench - QSS 22 - 1670206



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

Connector - QPD P 3PE2,5 6-10 BK - 1582202



Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 6 mm ... 10 mm

Connector - QPD P 3PE2,5 9-14 BK - 1582205



Connector, QUICKON connection, number of positions: 3+PE, 1 mm² ... 2.5 mm², 690 V, 20 A, black, cable diameter range: 9 mm ... 14 mm

H distributor - QPD H 3PE2,5 9-14 BK - 1582148

Accessories

Phoenix Contact 2017 © - all rights reserved
<http://www.phoenixcontact.com>