

Connector - QPD P 4PE6,0 12-20 GY - 1410390

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>)



QUICKON connector, gray, 4+PE-pos., 2.5 mm² ... 6.0 mm²/690 V/20 A, with QUICKON nut, for cables with a diameter of 12 mm ... 20 mm.

The figure shows version

Your advantages

- ✓ 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
- ✓ Easy maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 929622
GTIN	4046356929622

Technical data

General

Type	QPD 5x6,0
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	5
Note number of positions	4+PE
Tightening torque, union nut	15 Nm
Number of connections	5
Conductor cross section flexible min.	2.5 mm ²
Conductor cross section flexible max.	6 mm ²

Connector - QPD P 4PE6,0 12-20 GY - 1410390

Technical data

General

Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	10

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	2.95 mm ... 5 mm
Position marking	1, 2, L, N, PE

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	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	40 A
Rated current	40 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
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

Connector - QPD P 4PE6,0 12-20 GY - 1410390

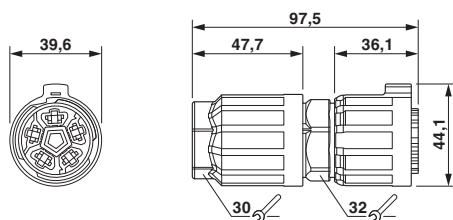
Technical data

Standards and Regulations

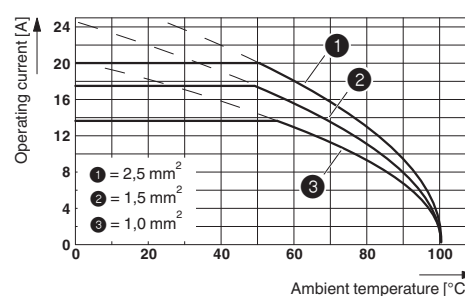
Flammability rating according to UL 94	V0
--	----

Drawings

Dimensional drawing



Diagram



Approvals

Approvals

Approvals

GL / IECCE CB Scheme / VDE Zeichengenehmigung / EAC

Ex Approvals

Approval details

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

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

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	40 A		
mm ² /AWG/kcmil	2.5-6		

Connector - QPD P 4PE6,0 12-20 GY - 1410390

Approvals

EAC



RU C-
DE.AI30.B.01102

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[1410390](#)