

QPD C 4X2,5/2X9-14 GY - Conductor connector



1582400

<https://www.phoenixcontact.com/us/products/1582400>

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Conductor connector, product family: QPD, connection method: IDC connection, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, gray, With two QUICKON nuts, coding: Coding profile, external cable diameter: 9 mm ... 14 mm

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Easy and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection

Commercial data

Item number	1582400
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF50
Product key	AF6CBB
Catalog page	Page 95 (PC-2011)
GTIN	4046356463560
Weight per piece (including packing)	63.8 g
Weight per piece (excluding packing)	63.8 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

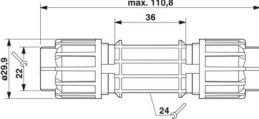
Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	29.9 mm
Height	29.9 mm
Length	110.8 mm
Diameter	29.9 mm
Wrench size	22 mm
Wrench size for mounting	22 mm

Connection data

Connection technology

Frequency of connections between conductors of the same cross section	max. 10
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Conductor connection

Tightening torque	10 Nm
	5 Nm
Tightening torque Union nut	10 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	22 mm

Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV

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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

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

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	9 mm ... 14 mm
Wire diameter including insulation	2 mm ... 3.8 mm
Position marking	1, 2, 3, 4
Material wire insulation	PVC/PE/TPE/rubber
Halogen-free	no

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

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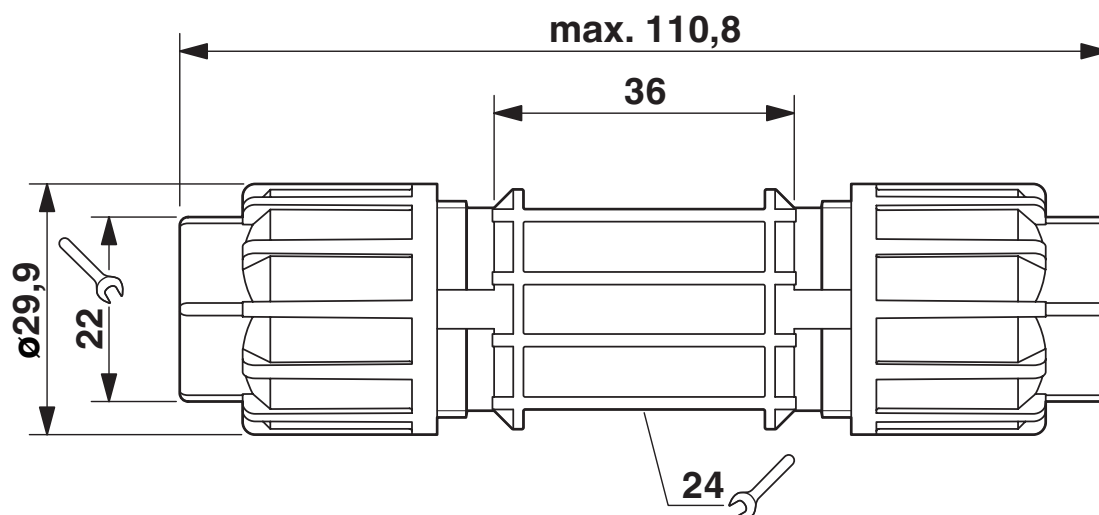


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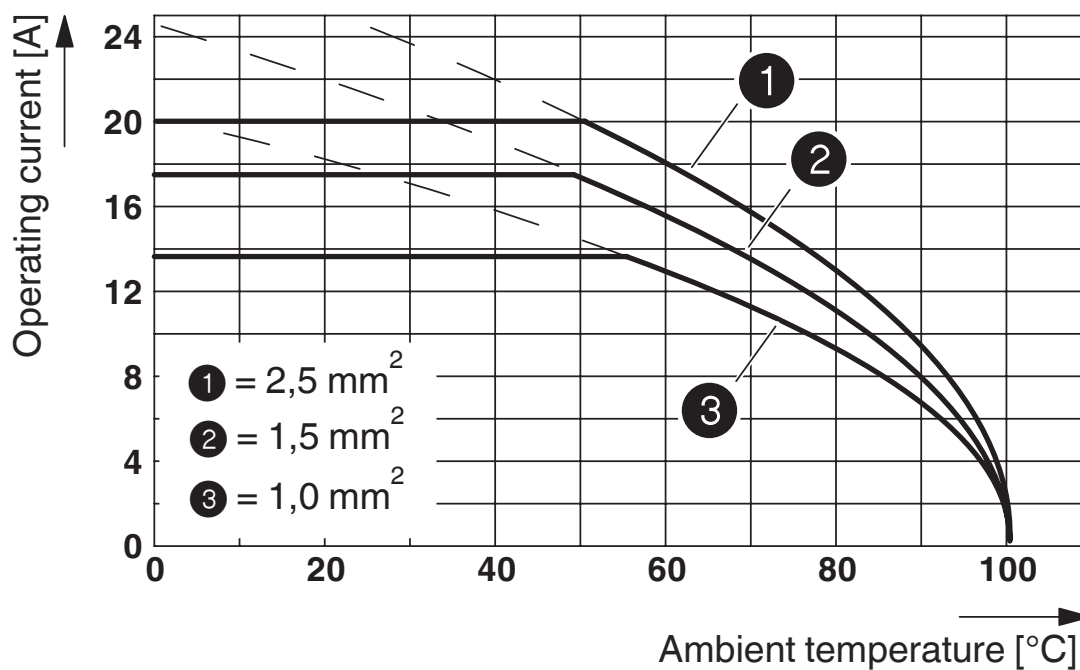
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Drawings

Dimensional drawing



Diagram



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Classifications

ECLASS

ECLASS-13.0	27440605
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UNSPSC

UNSPSC 21.0	39121402
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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