QPD CW 4X2,5/2X6-10 GY - Conductor connector

1582530

https://www.phoenixcontact.com/pc/products/1582530

Cable connector panel feed-through, two-sided with QPD nut, gray, 4-pos. without PE, 1.0 mm^2 ... 2.5 mm^2/630 V/20 A, for cable diameters of 6 mm ... 10 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	1582530
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF6CBB
Catalog page	Page 100 (PC-2011)
GTIN	4046356552141
Weight per piece (including packing)	75.2 g
Weight per piece (excluding packing)	75.2 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Panel feed-through
Product family	QPD
Type	QPD 4x2,5
Number of positions	4
Position marking	1, 2, 3, 4
Number of connections	10
Number of connections per position	1
Coding	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

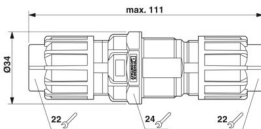|	
Connection method On the device side	IDC connection
Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Conductor cross section flexibel	1 mm² ... 2.5 mm²
Conductor cross section solid	1 mm² ... 2.5 mm²
Connection cross section AWG	16 ... 14
Tightening torque Union nut	10 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	22 mm
Wrench size Locking nut	27 mm

Dimensions

Dimensional drawing	
Width	34 mm
Height	34 mm
Length	111 mm
Diameter	34 mm

Electrical properties

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)	630 V
Nominal voltage U_N	690 V
Nominal current I_N	20 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50

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	6 mm ... 10 mm (Order Quickon nuts or Quickon connectors separately)
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

Drawings

Dimensional drawing

$28,3^{+0,2}$

$13,2^{+0,2}$
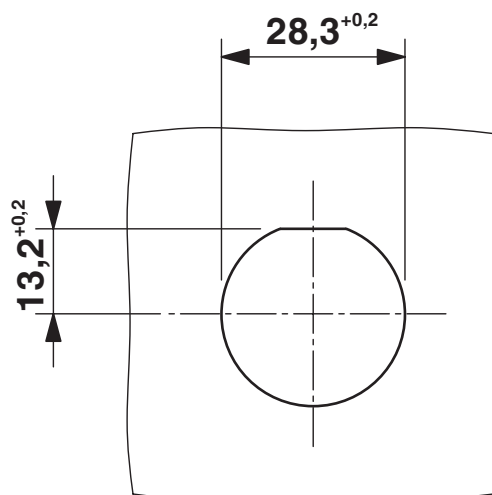
Panel cutout

Dimensional drawing

max. 111

Ø34

22

24

22
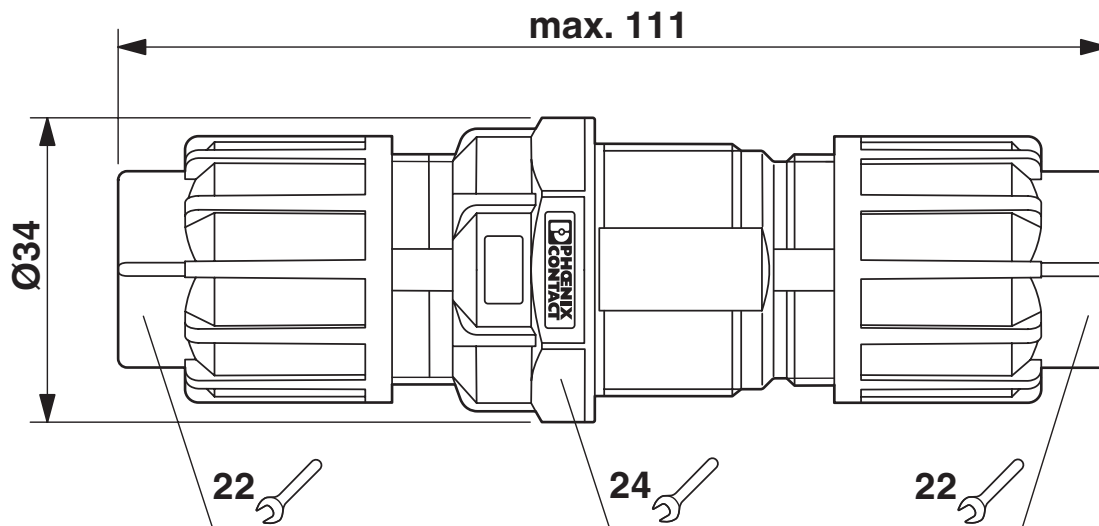
Dimensional drawing

Classifications

ECLASS

ECLASS-11.0	27440605
ECLASS-13.0	27440605

UNSPSC

UNSPSC 21.0	39121402

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%