Conductor connectors - QPD CW4X2,5/2X6-10 GY - 1424034

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Conductor connectors, QUICKON connection, number of positions: 4, 1 mm² ... 2.5 mm², 690 V, 20 A, gray, With two QUICKON nuts, cable diameter range: 6 mm ... 10 mm, QUICKON fast connection

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 and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 366364
GTIN	4055626366364

Technical data

General

Type	QPD 4x2,5
Color	gray
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	4
Note number of positions	4
Tightening torque, union nut	7 Nm
Conductor cross section flexible min.	1 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	1 mm²

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Technical data

General

Conductor cross section solid max.	2.5 mm²
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 ... 3.6 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)
	IP69K
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
Nominal voltage U_N	690 V AC
	690 V DC
Rated current	20 A
Rated voltage (III/3)	690 V
Rated voltage (III/2)	690 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

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

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Technical data

Material data

Degree of pollution	3

Standards and Regulations

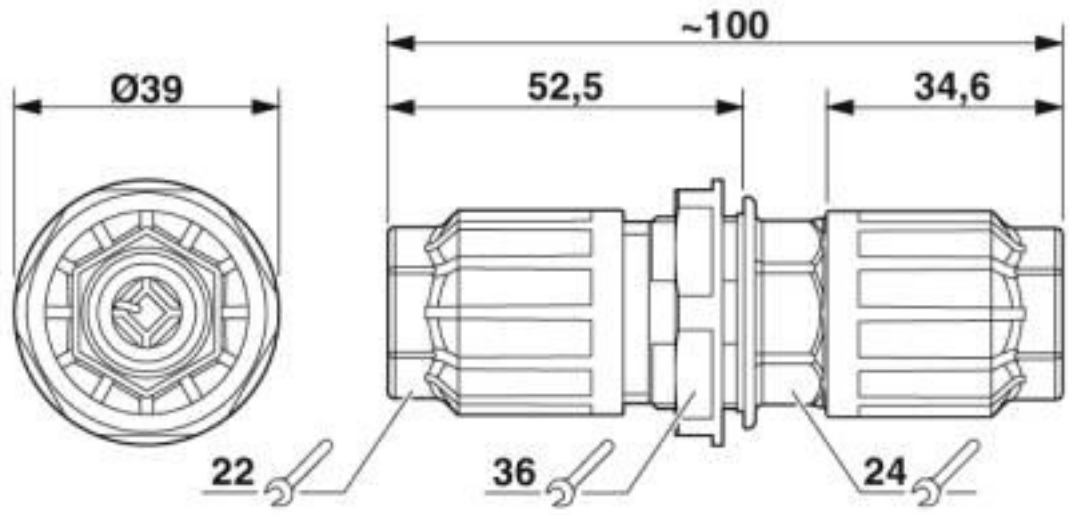
Category of shock impact	IK07
Halogen-free	yes
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Dimensional drawing



Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27440605
eCl@ss 7.0	27440605
eCl@ss 9.0	27440605

ETIM

ETIM 6.0	EC002560
ETIM 7.0	EC002560

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Approvals

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VDE Zeichengenehmigung / IECEE CB Scheme / EAC / UL Listed / cUL Listed

Ex Approvals

Approval details

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

IECEE CB Scheme		http://www.iecee.org/	DE1-61559

EAC			RU C-DE.BL08.B.00511

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743

Nominal voltage UN	600 V
Nominal current IN	10 A
mm²/AWG/kcmil	16

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E468743

Nominal voltage UN	600 V
Nominal current IN	10 A
mm²/AWG/kcmil	16

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Accessories

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Coding element

Coding profile - CP QPD 4X2,5 - 1425950



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

Protective cap

Protective cap - QPD QSK 5X1,5 - 1414758



Protective cap plastic, for QPD-QUICKON connection 5x 1.5 mm², IP50

Protective cap - QPD QSK BK 5X1,5 FS - 1414728



Protective cap, plastic, for QUICKON connection, black, with retaining cord, 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

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Accessories

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