

Conductor connectors - QPD CW 4PE2,5 1X9-16 GY - 1403845

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QUICKON cable connector, gray, 4+PE-pos., 1.0 mm² ... 2.5 mm² / 690 V / 20 A, for 9 mm ... 16 mm cable diameter.



Key commercial data

Packing unit	1 pc
GTIN	4 046356 670401
Weight per Piece (excluding packing)	86.5 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

General

Type	QPD 5x2,5
Color	gray
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	5
Note number of positions	4+PE
Wrench size, union nut	27 mm
Tightening torque, union nut	10 Nm
Conductor cross section stranded min.	1 mm ²
Conductor cross section stranded 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/kcmil min.	16
Conductor cross section AWG/kcmil max	14

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Technical data

Conductor

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
Wire diameter including insulation	2.5 mm ... 3.8 mm
External cable diameter	6 mm ... 10 mm

Ambient conditions

Degree of protection	IP68 (2 m / 24 h) IP69K
Ambient temperature (operation)	-40 °C ... 80 °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
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
Insertion/withdrawal cycles	50 (Quickon connections max. 10)

Material data

Contact material	Cu
Contact surface material	silver-plated
Contact carrier material	PA
Insulating material	PA
Inflammability class according to UL 94	V0
Surge voltage category	III
Pollution degree	3

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

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Classifications

eCl@ss

eCl@ss 7.0	27440209
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ETIM

ETIM 3.0	EC000516
ETIM 4.0	EC002635
ETIM 5.0	EC002635

UNSPSC

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

Approvals

Approvals


Approvals


VDE Zeichengenehmigung / IECEx CB Scheme / GL

Ex Approvals

Approvals submitted

Approval details

VDE Zeichengenehmigung 	
mm ² /AWG/kcmil	1.0-2.5
Nominal current I _N	20 A
Nominal voltage U _N	690 V

IECEE CB Scheme 	
Nominal voltage U _N	690 V

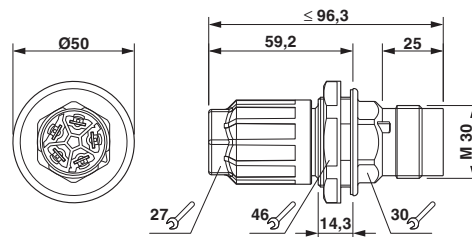
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Approvals

GL

Drawings

Dimensioned drawing



Dimensional drawing of the QPD CW 5x2.5