

Connector - QPD P 4X2,5 6-10 GY - 1582372

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QUICKON connector, gray, 4-pos. without PE, 1.0 mm² ... 2.5 mm²/630 V/20 A, for cables with a diameter of 6 mm ... 10 mm.

Key commercial data

package_quantity	1
GTIN	4046356463539

Technical data

General

Design	QPD 4x2,5
Color	gray
Locking type	Screw locking
Connection method	QUICKON connection
Connection method	IDC connection
Number of positions	4
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Number of connections	4
Conductor cross section stranded min.	1.5 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	1 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	16
Conductor cross section AWG/kcmil max	14

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)
Ambient temperature (operation)	-40 °C ... 80 °C

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Technical data

Ambient conditions

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)	630 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

Material data

Contact material	CuZn
Contact surface material	Tin-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
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002635
ETIM 5.0	EC002635

UNSPSC

UNSPSC 6.01	30211923
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classifications


UNSPSC

UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

approvals

VDE Zeichengenehmigung / GOST /

Approval details

VDE Zeichengenehmigung 	
Nominal voltage UN	690 V
Nominal current IN	20 A
mm ² /AWG/kcmil	1.5-2.5

GOST 	
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accessories

Device marking

EMLP (13X9)R - 0819453



GPE 13X 9 WH - 0806932



Socket spanner

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accessories

QSS 22 - 1670206



Protective cap

QPD PSK 2,5 - 1582151



Coding element

CP-QPD - 1582459



Seal

KV-DI-PG16-1XASI - 1582462



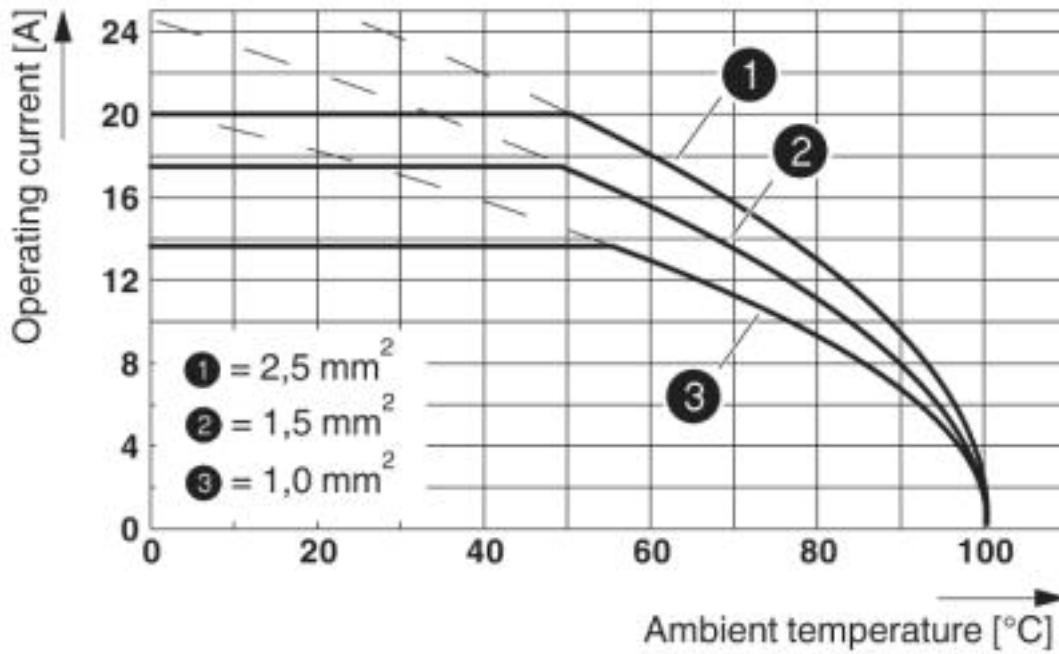
KV-DI-PG16-2XASI - 1582464



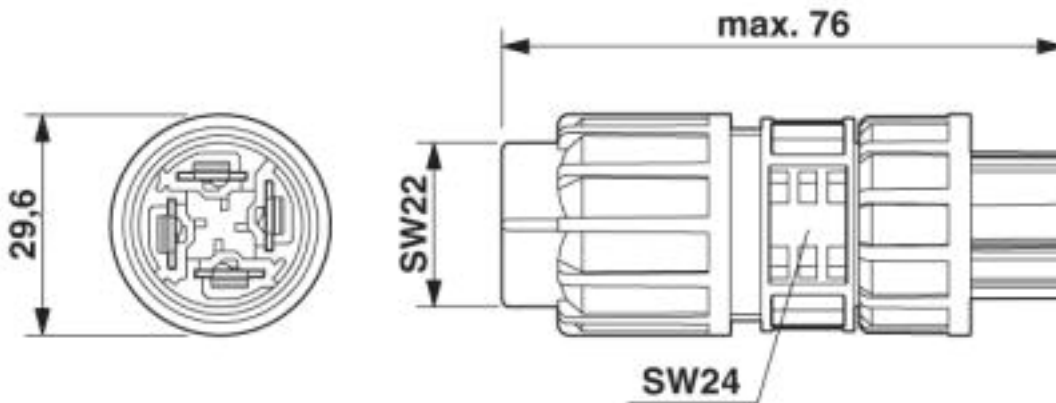
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Drawings

Diagram

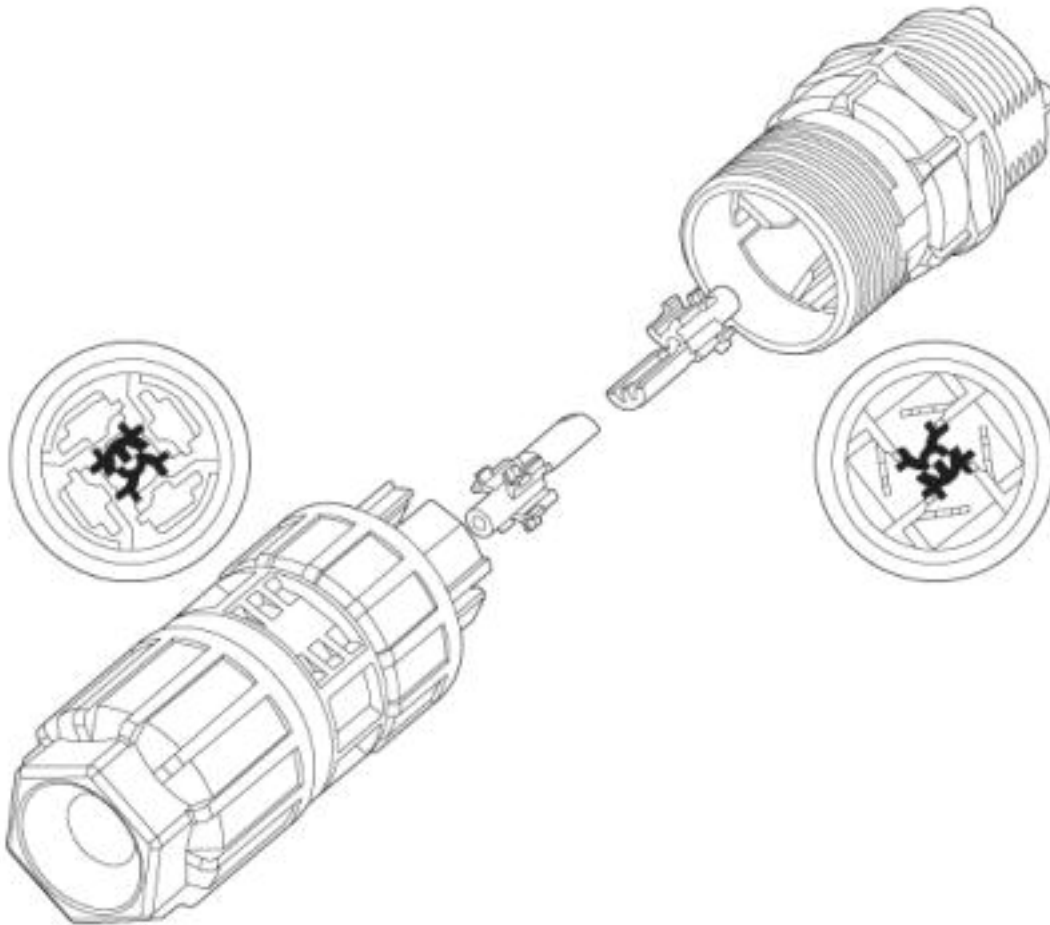


Dimensioned drawing



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Schematic diagram



Coding of the QUICKON plug-in connection

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