

Connector - QPD P 3PE2,5 9-14 BK BK - 1582638

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QUICKON connector, black, 4-pos. with PE, 1.0 mm² ... 2.5 mm²/630 V/20 A, for cables with a diameter of 9 mm ... 14 mm.

Product Features

- 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 maintenance - the connectors enable fast device replacement and simplify startup thanks to pre-assembled cables

Key commercial data

package_quantity	1
GTIN	4046356618045

Technical data

General

Design	QPD 3PEx2,5
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
Connection method	IDC connection
Number of positions	4
Note number of positions	3+PE
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Number of connections	4
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

Conductor

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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/TPE/rubber
Wire diameter including insulation	2.5 mm ... 3.8 mm
External cable diameter	9 mm ... 14 mm

Ambient conditions

Degree of protection	IP68 (2 m / 24 h)
Degree of protection	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

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	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423

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classifications

eCl@ss

eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

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

approvals

UL Listed / cUL Listed / GOST / cULus Listed /

Approval details

UL Listed	
Nominal voltage UN	600 V
Nominal current IN	10 A
mm ² /AWG/kcmil	16

cUL Listed	
Nominal voltage UN	600 V
Nominal current IN	15 A
mm ² /AWG/kcmil	14

GOST	
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cULus Listed	
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accessories

Device marking

EMLP (13X9)R - 0819453



GPE 13X 9 WH - 0806932



Socket spanner

QSS 22 - 1670206



Protective cap

QPD PSK 2,5 - 1582151



Coding element

CP-QPD - 1582459



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accessories

Seal

KV-DI-PG16-1XASI - 1582462

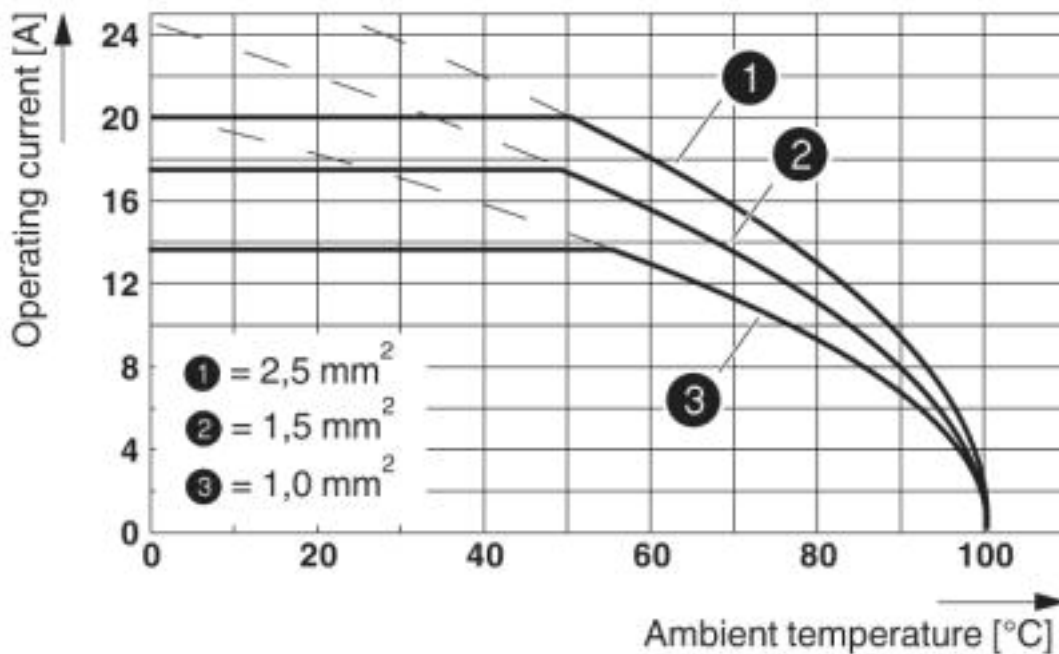


KV-DI-PG16-2XASI - 1582464



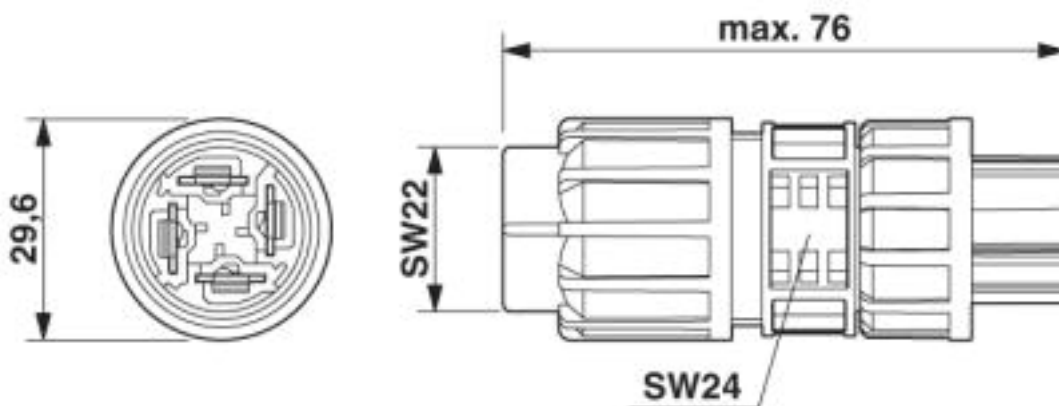
Drawings

Diagram



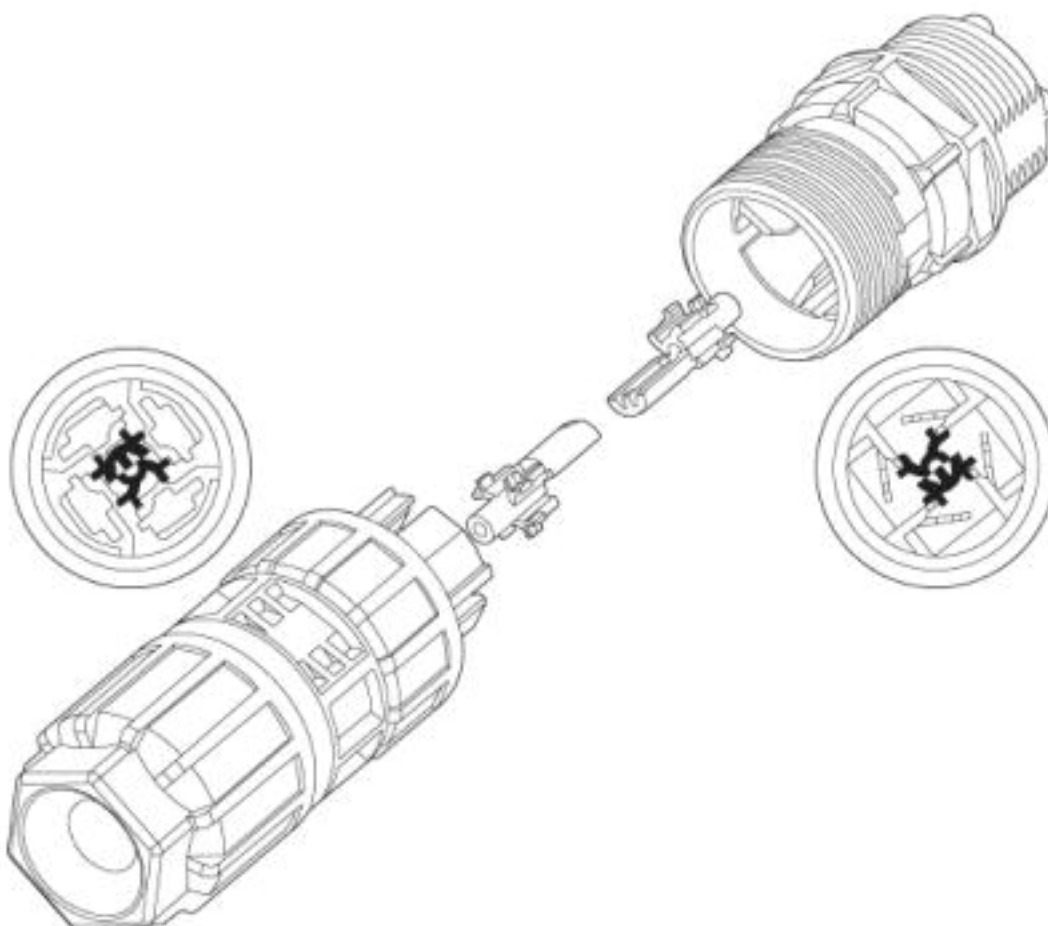
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Dimensioned drawing



Dimensional drawing: connector, 2.5 mm²

Schematic diagram



Coding of the QUICKON plug-in connection

