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QUICKON-wall bushing, gray, 4-pos. without PE, 1.0 mm $^2$ ... 2.5 mm $^2$ /630 V/20 A, without QUICKON nut, with spade connector for spade receptacles as per DIN 46247-2



## Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	20.0 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Design	QPD 4x2,5		
Color	gray		
Locking type	Screw locking		
Connection method	QUICKON connection		
	IDC connection		
Number of positions	4		
Wrench size, union nut	22 mm		
Tightening torque, union nut	5 Nm		
Tightening torque, counter nut	5 Nm		
Wrench size, counter nut	27 mm		
Number of connections	10		
Conductor cross section stranded min.	1.5 mm <sup>2</sup>		
Conductor cross section stranded max.	2.5 mm <sup>2</sup>		
Conductor cross section solid min.	1 mm²		
Conductor cross section solid max.	2.5 mm²		
Conductor cross section AWG/kcmil min.	16		



## Technical data

### General

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 (Order Quickon nuts or Quickon connectors separately)			

#### Ambient conditions

Degree of protection	IP68 (2 m / 24 h)		
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 <sub>N</sub>	20 A			
Rated current	20 A			
Rated voltage (III/3)	630 V			
Note on the rated voltage (III/3)	With insulating sleeve PT/FS 4,8, 1670497 without insulating sleeve 25			
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
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### 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	EC001283
ETIM 4.0	EC001283
ETIM 5.0	EC002635

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	39121522
UNSPSC 13.2	39121413

## Approvals

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Approvals

VDE Zeichengenehmigung / GOST

Ex Approvals

Approvals submitted

Approval details



### Approvals

VDE Zeichengenehmigung 🚳	
mm²/AWG/kcmil	1.5-2.5
Nominal current IN	20 A
Nominal voltage UN	690 V

GOST 🕑

### Accessories

Accessories

Coding element

Coding profile - CP-QPD - 1582459



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

### Device marking

Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, Unlabeled, Can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: 13 x 9 mm

Engraving material - GPE 13X 9 WH - 0806932



Engraving material, Sheet, white, Unlabeled, Can be labeled with: Engraving, Plotter, Mounting type: Adhesive, Lettering field: 13 x 9 mm



### Accessories

Installation pressure nut

Nut - QPD N 2,5 6-10 BK - 1582226



QUICKON nut, black, 3-pos. +PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 630 V / 20 A, for cables with diameters of 6 mm ... 10 mm.

Nut - QPD N 2,5 9-14 BK - 1582229



QUICKON nut, black, 3-pos. +PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 630 V / 20 A, for cables with diameters of 9 mm ... 14 mm.

### Insulating sleeve

Insulating sleeve - PT/FS 4,8 - 1670497



Insulating sleeve, as touch protection, for 4.8 mm slip-on sleeves, slide onto the conductor before

### Mounting material

Nut - Q-MU M25 - 1640715



Nut (plastic) to lock the contact carrier from the inside of the device

Protective cap



### Accessories

Protective cap - QPD QSK 2,5 FS - 1582488

Plastic protective cap, for QPD-QUICKON connectors, green, with holding band, IP68



Protective cap - QPD QSK 2,5 - 1582150



Protective cap made of transparent plastic for QPD QUICKON connection 4x 2.5 mm², IP54.

#### Seal

Grommet - KV-DI-PG16-1XASI - 1582462



Seal for one AS-i line, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

Grommet - KV-DI-PG16-2XASI - 1582464



Seal for two AS-i lines, 17.2 x 9 mm, from NBR, black, for IP65/67 degree of protection

### Socket spanner

Socket wrench - QSS 22 - 1670206

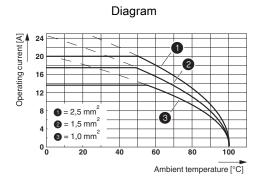


Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

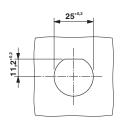


### Accessories

## Drawings



### Dimensioned drawing



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