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## Panel feed-through - QPD W 3PE2,5 9-14 M25 DT BK - 1582181

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QUICKON panel feed-through, black, 3-pos. +PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 630 V / 20 A, with QUICKON nut, for cable diameters of 9 mm ... 14 mm, with Push-in spring-cage connection.

### 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
- ✓ Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables



### Key commercial data

Packing unit	1 PCE
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### General

Design	QPD 4x2,5
Color	black
Locking type	Screw locking
Connection method	QUICKON connection
	IDC connection
Number of positions	4
Note number of positions	3+PE
Wrench size, union nut	22 mm
Tightening torque, union nut	5 Nm
Tightening torque, counter nut	5 Nm
Wrench size, counter nut	27 mm

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## Technical data

### General

Number of connections	10
Conductor cross section stranded min.	1 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	1 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
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 / Rubber / TPE
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)
	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 <sub>N</sub>	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

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### Technical data

#### Material data

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	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

#### ETIM

ETIM 2.0	EC000516
ETIM 3.0	EC000516
ETIM 4.0	EC002635
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

#### Approvals

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##### Approvals

VDE Zeichengenehmigung / GOST

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##### Ex Approvals

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## Panel feed-through - QPD W 3PE2,5 9-14 M25 DT BK - 1582181

### Approvals

Approvals submitted

#### Approval details

VDE Zeichengenehmigung 	
mm²/AWG/kcmil	1.5-2.5
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	690 V

GOST 
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### 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

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### Accessories

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

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### Mounting material

Nut - Q-MU M25 - 1640715



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

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### Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488



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

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Protective cap - QPD QSK 2,5 - 1582150



Protective cap made of transparent plastic for QPD QUICKON connection 4x 2.5 mm<sup>2</sup>, IP54.

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### Seal

## Panel feed-through - QPD W 3PE2,5 9-14 M25 DT BK - 1582181

### Accessories

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

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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

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### Sealing plugs

Closing cap - SEALING PLUG 10X16 RD - 1400284



Closing cap, for closing unused bore holes in multiple seals and cable glands, diameter 10 mm

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### Socket spanner

Socket wrench - QSS 22 - 1670206



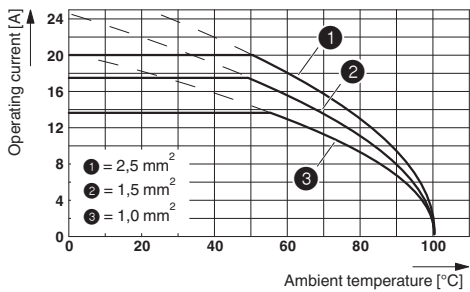
Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

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### Drawings

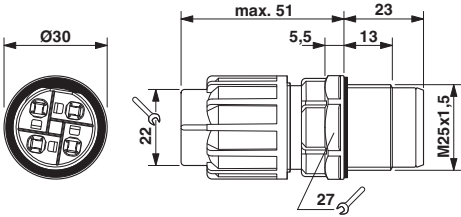
Panel feed-through - QPD W 3PE2,5 9-14 M25 DT BK - 1582181

Diagram



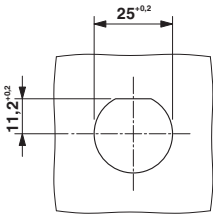
Derating diagram

Dimensioned drawing



Dimensional drawing: QPD W...

Dimensioned drawing

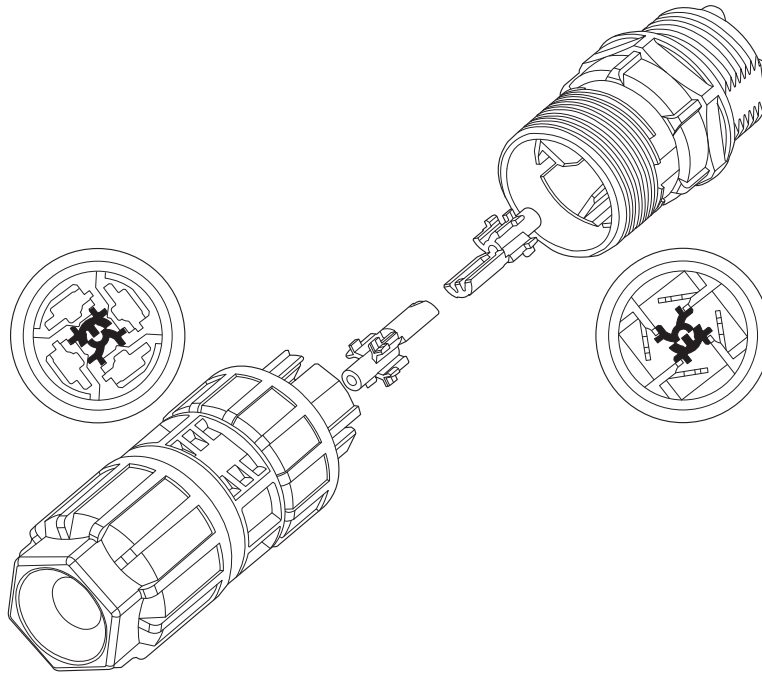


Panel cutout



## Panel feed-through - QPD W 3PE2,5 9-14 M25 DT BK - 1582181

Schematic diagram



Encoding of the QUICKON connector