

# Panel feed-through - QPD W 3PE2,5 M25 0,5 BK - 1582187


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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, without QUICKON nut, with 4 welded-on 2.5 mm<sup>2</sup> cable wires, 0.5 m long, cut flat at the end.



## Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 97 (PC-2011)
GTIN	 4 046356 316897
Custom tariff number	85366990
Country of origin	GERMANY

## Technical data

### General characteristics

Design	QPD 4x2,5
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
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 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	16

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## Technical data

### General characteristics

Conductor cross section AWG/kcmil max	14
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### Conductor data

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 ... 14 mm (Order Quickon nuts or Quickon connectors separately)

### Environmental conditions

Degree of protection	IP68, 24 h / 2 m
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)	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
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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

### ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC000516
ETIM 4.0	EC000516
ETIM 5.0	EC000516

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## Classifications

### UNSPSC

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

### 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
eCl@ss 7.0	27449001

## Approvals

### Approvals


Approvals


VDE Zeichengenehmigung / IECCEB Scheme / GOST

Ex Approvals

Approvals submitted

### Approval details

VDE Zeichengenehmigung 	
mm <sup>2</sup> /AWG/kcmil	1.5-2.5
Nominal current I <sub>N</sub>	20 A
Nominal voltage U <sub>N</sub>	690 V

IECCEB Scheme 	
mm <sup>2</sup> /AWG/kcmil	1-2.5

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### Approvals

Nominal current IN	20 A
Nominal voltage UN	690 V



### Accessories

#### Accessories

#### Assembly

Nut - Q-MU M25 - 1640715



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

### Marking

Plastic label - EMLP (13X9)R - 0819453



Plastic label, Roll, white, Unlabeled, Can be labeled with: Thermomark R, Thermomark X, Thermomark S, Mounting type: Adhesive, Lettering field: 13 x 9 mm

### Plug/Adapter

Coding profile - CP-QPD - 1582459



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

### Tools

## Panel feed-through - QPD W 3PE2,5 M25 0,5 BK - 1582187

### Accessories

Socket wrench - QSS 22 - 1670206



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

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Engraving material - GPE 13X 9 WH - 0806932



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

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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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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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## Accessories

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

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.

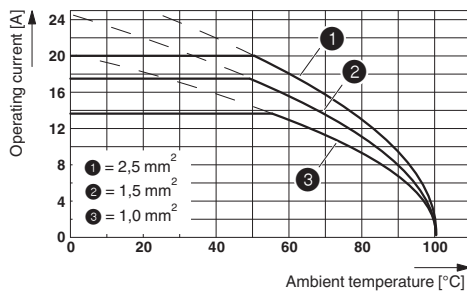
Nut - QPD N 2,5 9-14 BK - 1582229



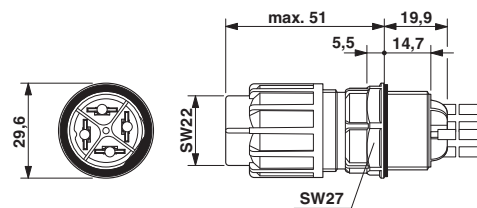
QUICKON nut, black, 3-pos. +PE, 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> / 630 V / 20 A, for cables with diameters of 9 mm ... 14 mm.

## Drawings

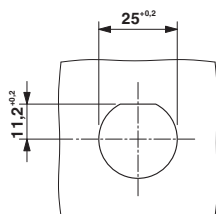
### Diagram



### Dimensioned drawing



### Dimensional drawing



### Panel cutout



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