

## Panel feed-through - QPD W 4X2,5 M25 1,0 GY - 1582337

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



QUICKON panel feed-through, gray, 4-pos. without 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, 1.0 m long, cut flat at the end.



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	140.0 GRM
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### General

Design	QPD 4x2,5
Length of cable	1 m
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 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>

## Panel feed-through - QPD W 4X2,5 M25 1,0 GY - 1582337

### Technical data

#### General

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 (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 $I_N$	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
------------------------	---------

#### 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

## Panel feed-through - QPD W 4X2,5 M25 1,0 GY - 1582337

### 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

#### Approvals

---

#### Approvals

VDE Zeichengenehmigung / GOST

---

#### Ex Approvals

---

#### Approvals submitted

---

#### Approval details

# Panel feed-through - QPD W 4X2,5 M25 1,0 GY - 1582337

## Approvals

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

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.

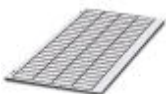
## Device marking

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

## Panel feed-through - QPD W 4X2,5 M25 1,0 GY - 1582337

### 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.

---

#### Mounting material

Nut - Q-MU M25 - 1640715



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

---

#### Protective cap

Protective cap - QPD QSK 2,5 FS - 1582488



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

---

## Panel feed-through - QPD W 4X2,5 M25 1,0 GY - 1582337

### Accessories

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.

---

### 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



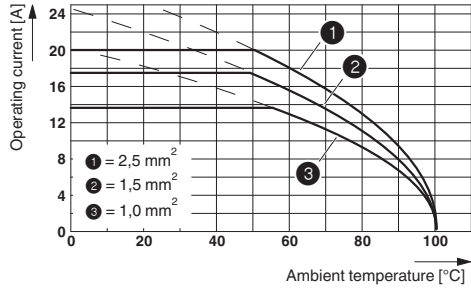
Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

---

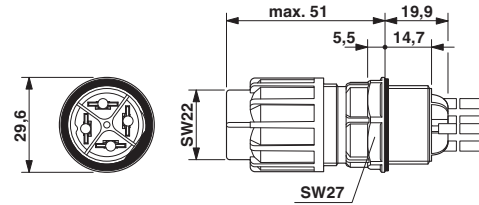
### Drawings

# Panel feed-through - QPD W 4X2,5 M25 1,0 GY - 1582337

Diagram



Dimensioned drawing



Dimensioned drawing

