

# QPDW3PE1,5 6-10 M25 0,1 BKKTH - Panel feed-through

1582475

<https://www.phoenixcontact.com/us/products/1582475>

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QUICKON panel feed-through, 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 6 mm .... 10 mm, with 4 welded-on 1.5 mm<sup>2</sup> cable wires, 0.1 m long, with ring cable lugs at the end

## Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables

## Commercial data

Item number	1582475
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF50
Product key	AF6ABB
GTIN	4046356463362
Weight per piece (including packing)	53.21 g
Weight per piece (excluding packing)	48.1 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Panel feed-through
Product family	QPD
Type	QPD 4x2,5
Number of positions	4
Connection profile	3+PE
Position marking	1, 2, 3, PE
Number of connections	10
Number of connections per position	1
Coding	coded

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

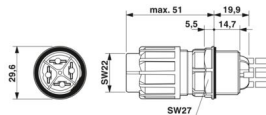
#### Connection technology

Connection method On the device side	Single wires
Frequency of connections between conductors of the same cross section	max. 10

#### Conductor connection

Conductor cross-section flexibel	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section solid	1 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	16 ... 14
Tightening torque Union nut	8 Nm
Tightening torque Locking nut	5 Nm
Wrench size Union nut	22 mm
Wrench size Locking nut	27 mm

### Dimensions

Dimensional drawing	
Width	29.6 mm
Height	29.6 mm
Length	71 mm
Wrench size	27 mm
Wrench size for mounting	27 mm

### Electrical properties

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Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	20 A
Contact resistance	< 3 mΩ
rated voltage (II/2)	1000 V
rated voltage (III/2)	1000 V
Rated voltage (III/3)	690 V
Nominal voltage $U_N$	690 V
Nominal current $I_N$	20 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	$\geq 50$ (QUICKON connections max. 10)
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## Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Contact	CuZn
Material Contact surface	silver-plated
Flammability rating according to UL 94	V0
Material wire insulation	PVC/PE/TPE/rubber

## Cable/line

Cable length	0.1 m
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
External cable diameter	6 mm ... 10 mm
Wire diameter including insulation	2.5 mm ... 3.8 mm
Position marking	1, 2, 3, PE
Material wire insulation	PVC / PE

## Mounting

Mounting type	Front mounting M25
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## Environmental and real-life conditions

### Ambient conditions

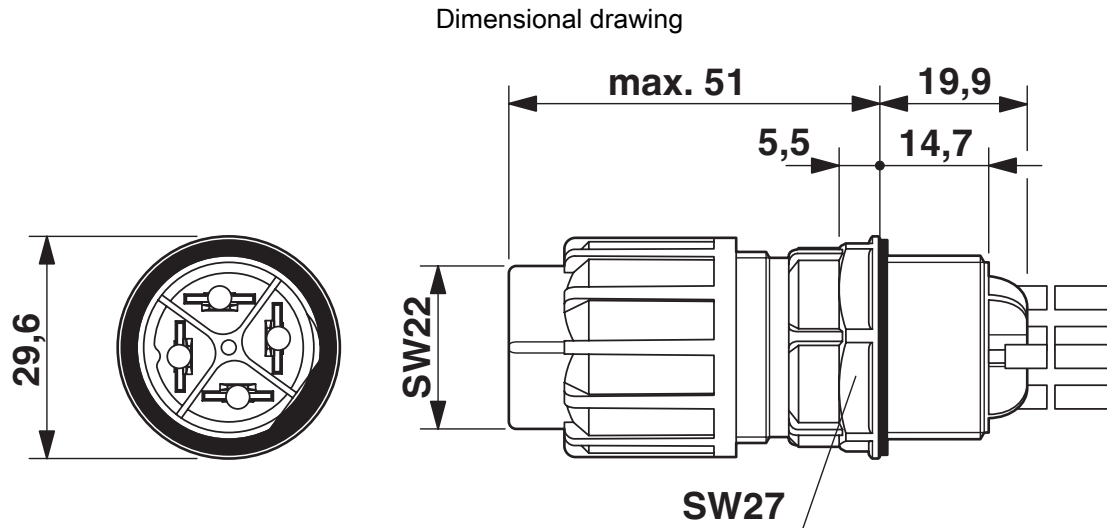
Degree of protection	IP66
	IP68
	IP69K
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

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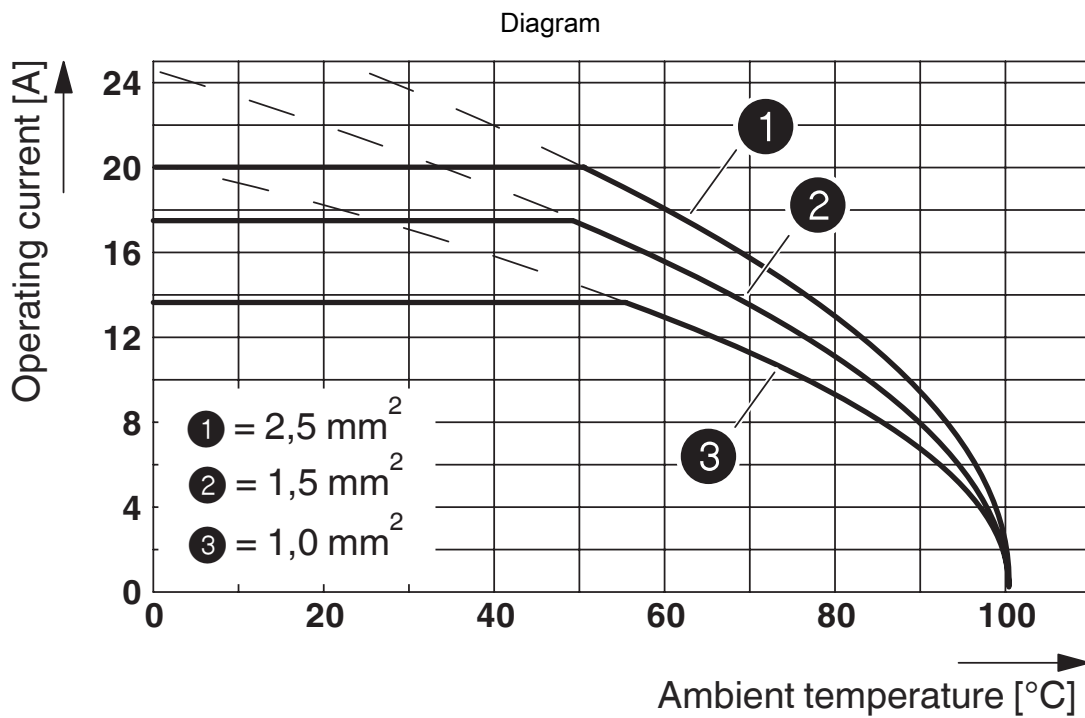
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## Drawings



Drawing without line wires



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## Classifications

### ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

### UNSPSC

UNSPSC 21.0	39121522
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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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