

# QPD W 4PE1,5 M25 FC BK - Panel feed-through



1414738

<https://www.phoenixcontact.com/us/products/1414738>

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Panel feed-through, product family: QPD, connection method: Spade connection (For slip-on sleeves according to DIN 46247-2), number of positions: 4+PE, M25, 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>, 690 V, 17.5 A, PA, black, without QUICKON nut, coding: Coding profile, 1.5 mm<sup>2</sup>

## 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	1414738
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF50
Product key	BF6ACA
Catalog page	Page 478 (C-2-2019)
GTIN	4055626033532
Weight per piece (including packing)	26.7 g
Weight per piece (excluding packing)	25.01 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Panel feed-through
Product family	QPD
Type	QPD 5x1,5
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Number of connections	10
Number of connections per position	1
Coding	Coding profile

### Data management status

Article revision	01
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### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Connection data

#### Connection technology

Connection method On the device side	Spade connection (For slip-on sleeves according to DIN 46247-2)
Frequency of connections between conductors of the same cross section	max. 10

#### Conductor connection

Conductor cross section flexibel	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section solid	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Connection cross section AWG	20 ... 16
Tightening torque Union nut	8 Nm
Tightening torque Locking nut	5 Nm

### Dimensions

Dimensional drawing	
Width	30 mm
Height	30 mm
Length	47.9 mm
Diameter	30 mm
Dimensions of slip-on connection	4.8 x 0.8 mm

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## Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	6 kV
Rated current	17.5 A (in accordance with IEC 61984 at ambient temperature: 30°C)
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 AC
	690 V DC
Nominal current $I_N$	17.5 A (in accordance with IEC 61984 at ambient temperature: 30°C)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	max. 50
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## Material specifications

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

## Cable/line

Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 1 to 6/min. 0.15 mm
Wire diameter including insulation	1.6 mm ... 3 mm
Position marking	1, 2, 3, N, PE
Cable cross section	1.5 mm <sup>2</sup>
Material wire insulation	PVC/PE/TPE/rubber

## Mounting

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

### Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)

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Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

# QPD W 4PE1,5 M25 FC BK - Panel feed-through

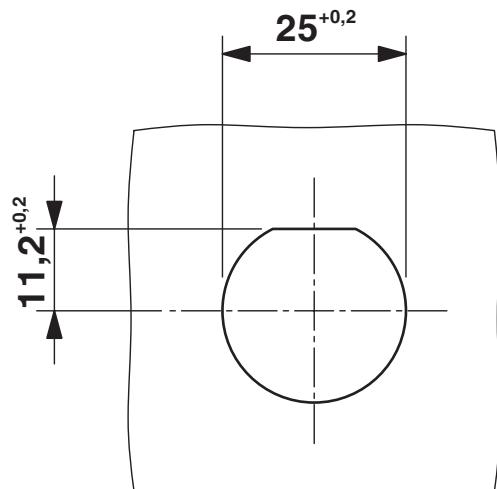


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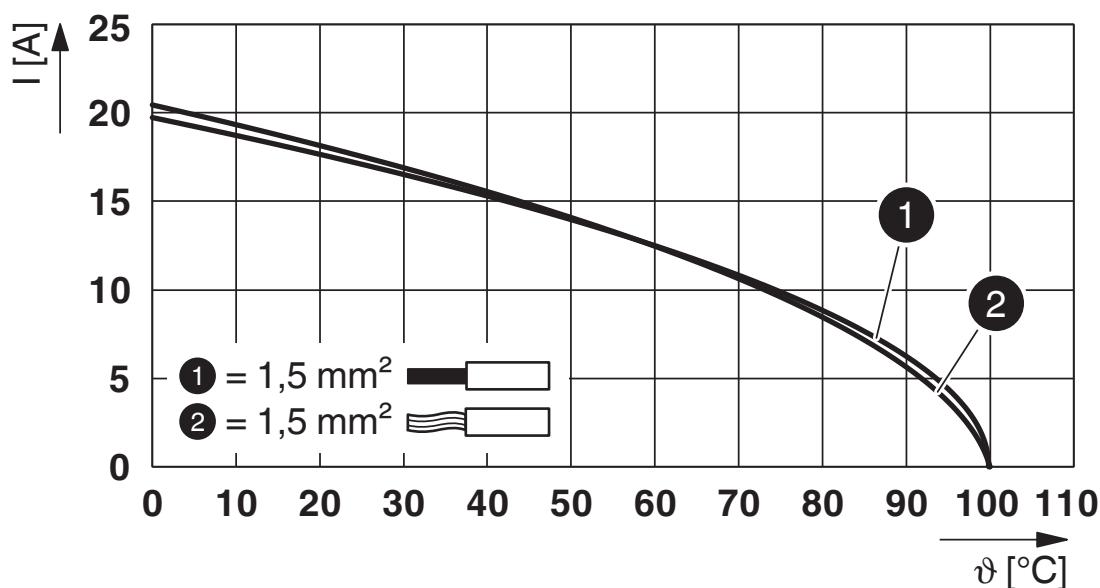
## Drawings

Dimensional drawing



Panel cutout

Diagram



Derating diagram

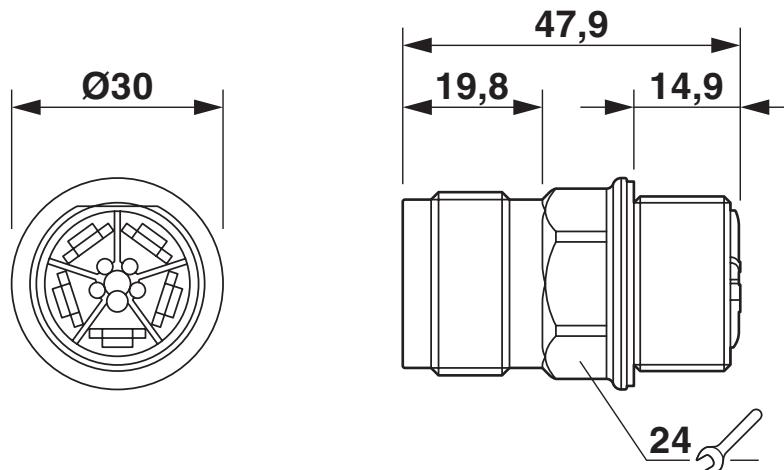
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Dimensional drawing



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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414738>



**IECEE CB Scheme**

Approval ID: DE1-65875



**EAC**

Approval ID: RU C-DE.BL08.B.00511



**DNV GL**

Approval ID: TAE00003J5



**VDE Zeichengenehmigung**

Approval ID: 40029149



**UL Listed**

Approval ID: E468743

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	600 V	8 A	-	- 16



**cUL Listed**

Approval ID: E468743

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	600 V	8 A	- 16	-

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-11.0	27440602
ECLASS-12.0	27440602
ECLASS-13.0	27440602

### ETIM

ETIM 9.0	EC002566
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### UNSPSC

UNSPSC 21.0	39121500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

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