QPD W 3PE1,5 M20 1,0 BK - Panel feed-through

1414682

https://www.phoenixcontact.com/pc/products/1414682

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Panel feed-through, connection method: Single wires, number of positions: 3+PE, M20, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, without QUICKON nut, coding: Coding profile, 1.5 mm^2, cable length: 1 m

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	1414682
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF6ABA
GTIN	4055626031354
Weight per piece (including packing)	101.8 g
Weight per piece (excluding packing)	103.7 g
Customs tariff number	85444290
Country of origin	PL

Technical data

Product properties

Product type	Panel feed-through
Product family	QPD
Type	QPD 4x1,5
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	Coding profile

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

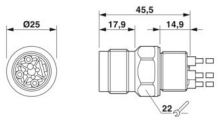
Connection technology

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	0.5 mm² ... 1.5 mm²
Conductor cross section solid	0.5 mm² ... 1.5 mm²
Connection cross section AWG	20 ... 16
Tightening torque Union nut	8 Nm
Tightening torque Locking nut	5 Nm

Dimensions

Dimensional drawing	
Width	25 mm
Height	25 mm
Length	45.5 mm
Diameter	25 mm

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
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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	max. 50

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

Cable length	1 m
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, PE
Single wire, color	black, brown, gray, green/yellow
Cable cross section	1.5 mm²
Material wire insulation	PVC/PE/TPE/rubber

Mounting

Mounting type	Front mounting M20

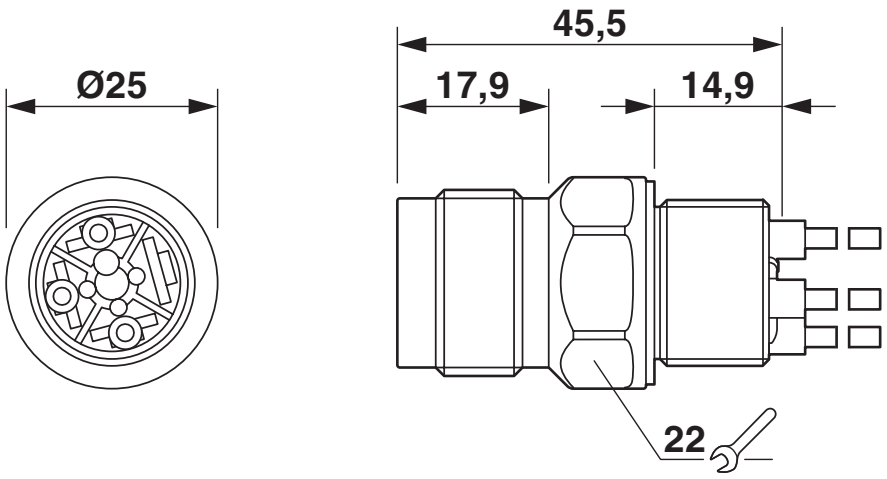
Environmental and real-life conditions

Ambient conditions

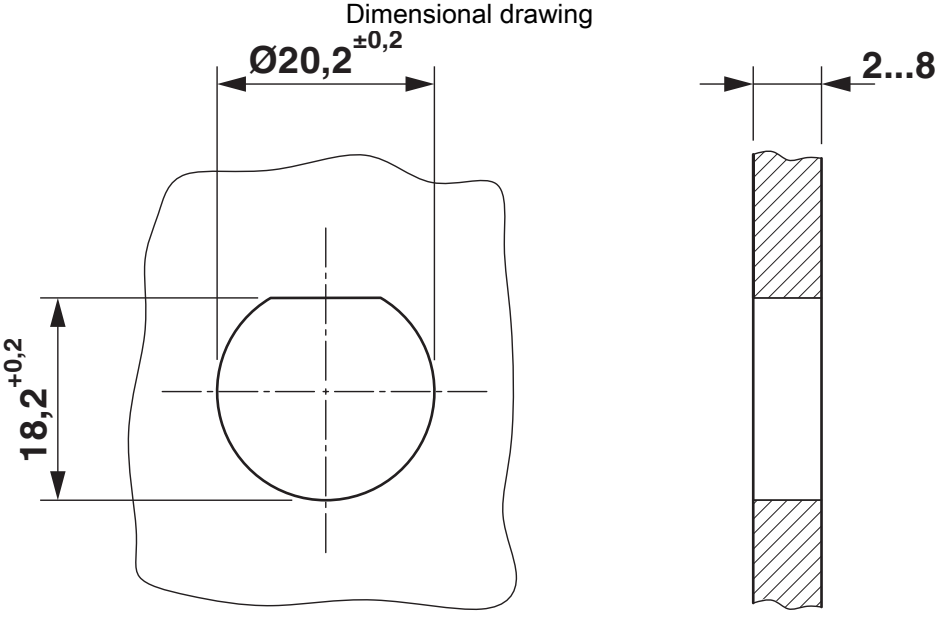
Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

Drawings

Dimensional drawing

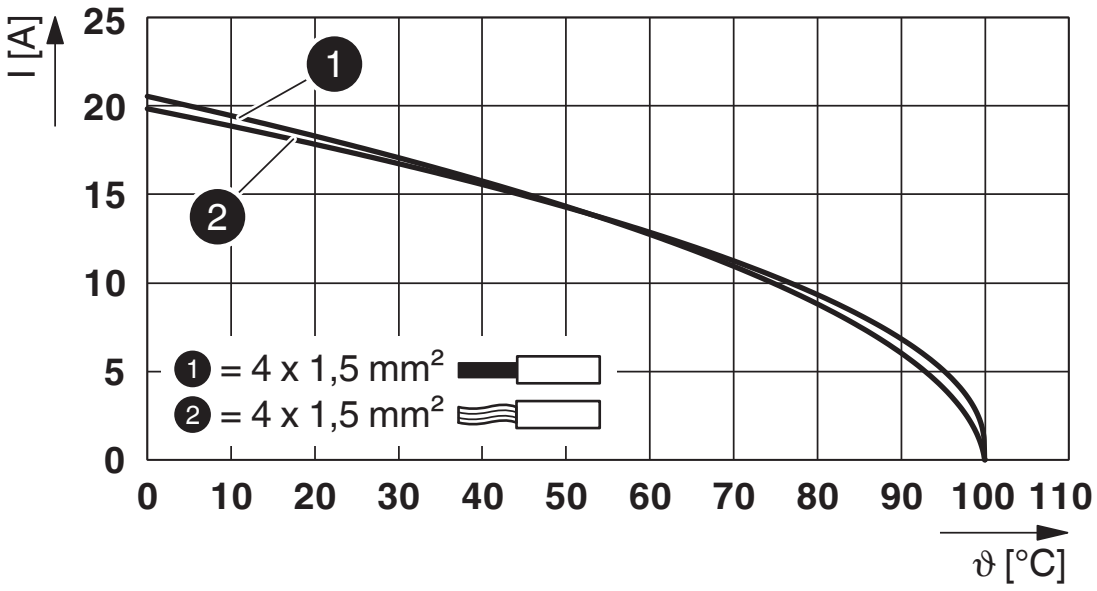


Dimensional drawing



Housing cutout

Diagram



Derating diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1414682

IECEE CB Scheme
Approval ID: DE1-65875

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
keine				
	600 V	8 A	-	- 16

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Approval ID: E468743

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

Classifications

ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

ETIM

ETIM 9.0	EC002566

UNSPSC

UNSPSC 21.0	39121500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%

Mandatory accessories

QPD P 3PE1,5 4-9 BK - Connector

1414703

https://www.phoenixcontact.com/pc/products/1414703



Connector, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 5 mm ... 7 mm and 7 mm ... 9.5 mm

QPD P 3PE1,5 8-13 BK - Connector

1414704

https://www.phoenixcontact.com/pc/products/1414704



Connector, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with QUICKON nut, coding: Coding profile, external cable diameter: 10 mm ... 13 mm

QPD N 3PE1,5 4-9 BK - Nut

1415097

https://www.phoenixcontact.com/pc/products/1415097



Nut, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, external cable diameter: 5 mm ... 7 mm and 7 mm ... 9.5 mm

QPD N 3PE1,5 8-13 BK - Nut

1415098

https://www.phoenixcontact.com/pc/products/1415098



Nut, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, external cable diameter: 10 mm ... 13 mm

Q-MU-M20 BK - Flat nut

1586099

https://www.phoenixcontact.com/pc/products/1586099

Flat nut, color: black



Accessories

QPD QSK 3/4X1,5 - Protective cap

1414723

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Protective cap plastic, for QPD-QUICKON connection 3(4) x 1.5 mm^2, IP50



CP-QPD 3/4X1,5 - Coding profile

1414729

https://www.phoenixcontact.com/pc/products/1414729



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

QPD QSK BK 3/4X1,5 FS - Protective cap

1414722

https://www.phoenixcontact.com/pc/products/1414722

Protective cap, plastic, for QUICKON connection, black, with retaining cord, IP68



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QPD W 3PE1,5 M20 0,5 BK - Panel feed-through

1414681

https://www.phoenixcontact.com/pc/products/1414681



Panel feed-through, connection method: Single wires, number of positions: 3+PE, M20, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, without QUICKON nut, coding: Coding profile, 1.5 mm^2, cable length: 0.5 m

QPD W 3PE1,5 M20 FC BK - Panel feed-through

1414683

https://www.phoenixcontact.com/pc/products/1414683



Panel feed-through, connection method: Spade connection (For slip-on sleeves according to DIN 46247-2), number of positions: 3+PE, M20, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, without QUICKON nut, coding: Coding profile, 1.5 mm^2

QPD H 3PE1,5 BK - H distributor

1414717

https://www.phoenixcontact.com/pc/products/1414717



H distributor, connection method: IDC connection/ QUICKON fast connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, without QUICKON nut, coding: Coding profile

QPD C 3PE1,5 1X4-9 BK - Conductor connector

1414694

https://www.phoenixcontact.com/pc/products/1414694



Conductor connector, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with one QUICKON nut, coding: Coding profile, external cable diameter: 5 mm ... 7 mm and 7 mm ... 9.5 mm

QPD T 3PE1,5 2X4-9 BK - T distributor

1414707

https://www.phoenixcontact.com/pc/products/1414707



T distributor, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 5 mm ... 7 mm and 7 mm ... 9.5 mm

QPD C 3PE1,5 1X8-13 BK - Conductor connector

1414697

https://www.phoenixcontact.com/pc/products/1414697



Conductor connector, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, with one QUICKON nut, coding: Coding profile, external cable diameter: 10 mm ... 13 mm

QPD W 3PE1,5 M20 1,0 BK - Panel feed-through

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QPD T 3PE1,5 2X8-13 BK - T distributor

1414709

https://www.phoenixcontact.com/pc/products/1414709



T distributor, connection method: IDC connection, number of positions: 3+PE, 0.5 mm^2 ... 1.5 mm^2, 690 V, 17.5 A, PA, black, With two QUICKON nuts, coding: Coding profile, external cable diameter: 10 mm ... 13 mm

QSS 21,5 - Socket wrench

1739906

https://www.phoenixcontact.com/pc/products/1739906



Socket wrench, for loosening and fastening QUICKON union nuts, wrench size 21.5 mm

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