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Panel feed-through, product family: QPD, connection method: Single wires/ IDC connection, number of positions: 2+PE, M20, Pin, 0.5 mm² ... 1.5 mm², 690 V, 17.5 A, PA, black, with QUICKON nut, external cable diameter: 5 mm ... 9.5 mm, 1.5 mm², 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	1414685
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BBF
Product key	BF6AAA
Catalog page	Page 477 (C-2-2019)
GTIN	4055626031385
Weight per piece (including packing)	93.8 g
Weight per piece (excluding packing)	95.1 g
Customs tariff number	85444290
Country of origin	PL

QPD W 2PE1,5 4-9 M20 1,0 BK - Panel feed-through



1414685

<https://www.phoenixcontact.com/no/products/1414685>

Technical data

Product properties

Type	QPD 3x1,5
Product type	Panel feed-through
Product family	QPD
Number of positions	3
Connection profile	2+PE
Position marking	1, 2, 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
Connection method On the field side	IDC connection
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	61.3 mm
Diameter	25 mm

Electrical properties

Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV

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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
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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 / rubber / TPE

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
External cable diameter ()	5 mm ... 9.5 mm
Wire diameter including insulation	1.6 mm ... 3 mm
Position marking	1, 2, PE
Single wire, color	brown, blue, green/yellow
Cable cross section	1.5 mm ²
Material wire insulation	PVC/PE/TPE/rubber

Mounting

Mounting type	Front mounting M20
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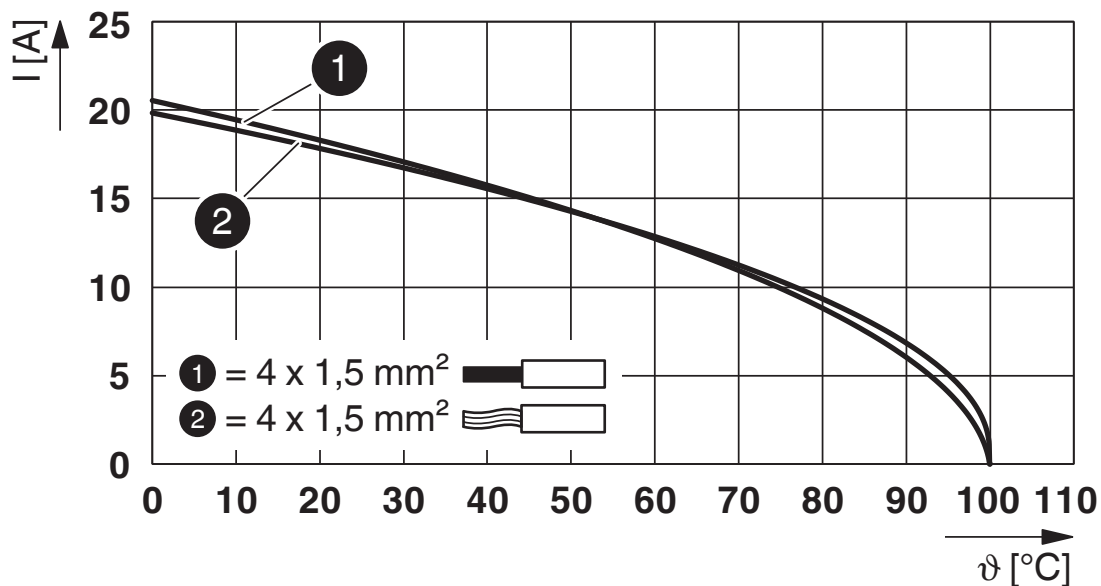
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-40 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C

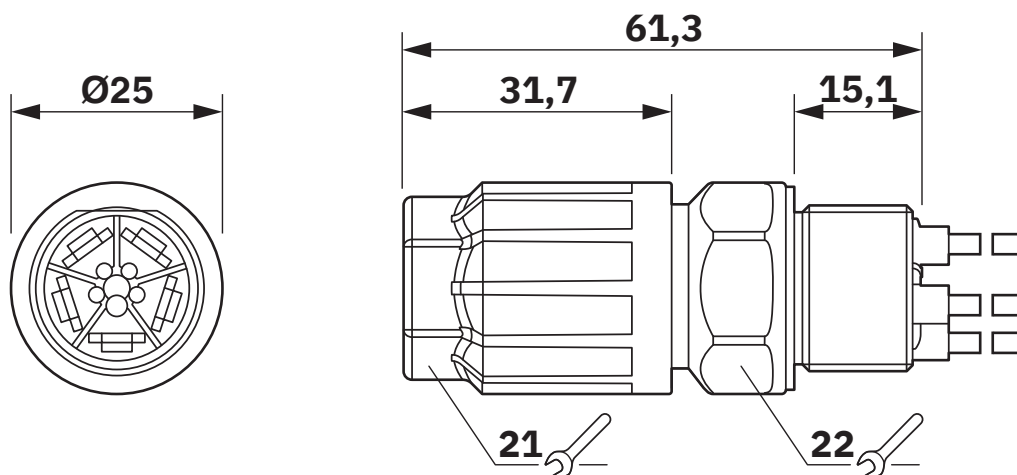
Drawings

Diagram



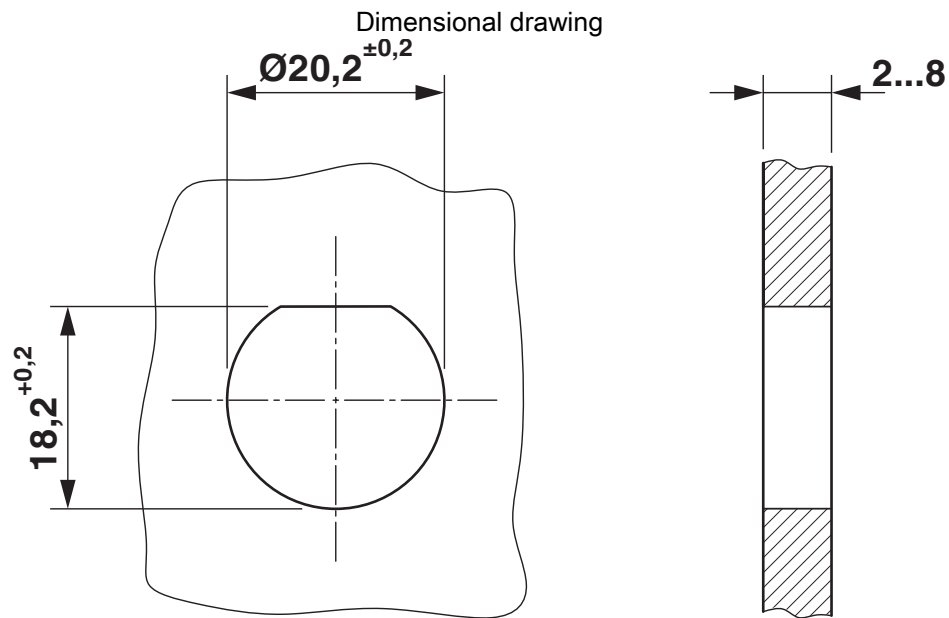
Derating diagram

Dimensional drawing



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Housing cutout

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/1414685>



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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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