

QPD W 2PE1,5 8-13 M20 0,5 BK - Panel feed-through



1414687

<https://www.phoenixcontact.com/it/products/1414687>

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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: 10 mm ... 13 mm, 1.5 mm², cable length: 0.5 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	1414687
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF6
Product key	BF6AAA
Catalog page	Page 477 (C-2-2019)
GTIN	4055626031408
Weight per piece (including packing)	60.8 g
Weight per piece (excluding packing)	60.8 g
Country of origin	PL

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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	0.5 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 ()	10 mm ... 13 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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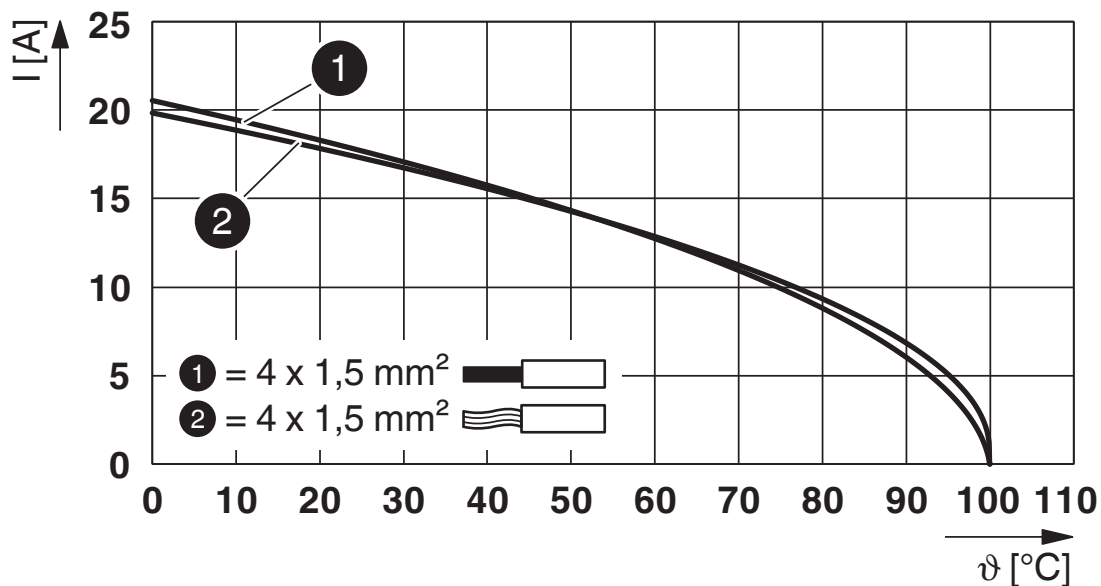
Environmental and real-life conditions

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

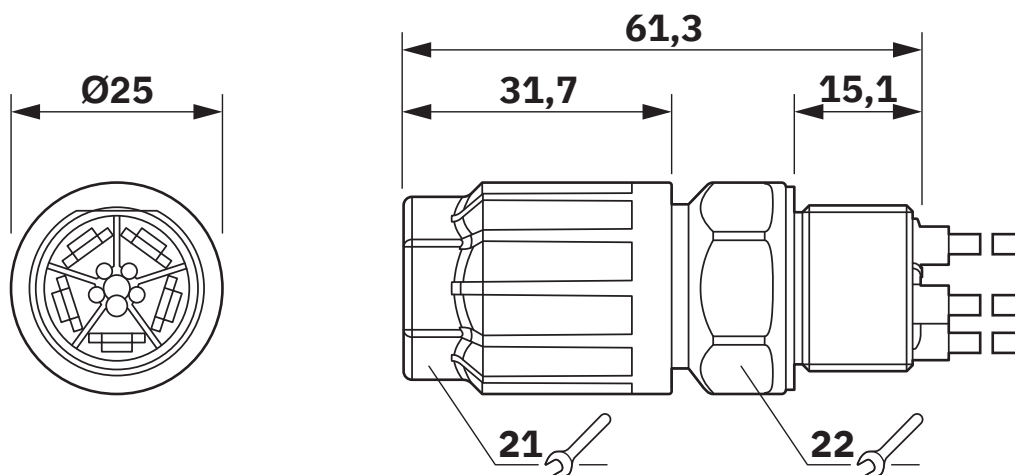
Drawings

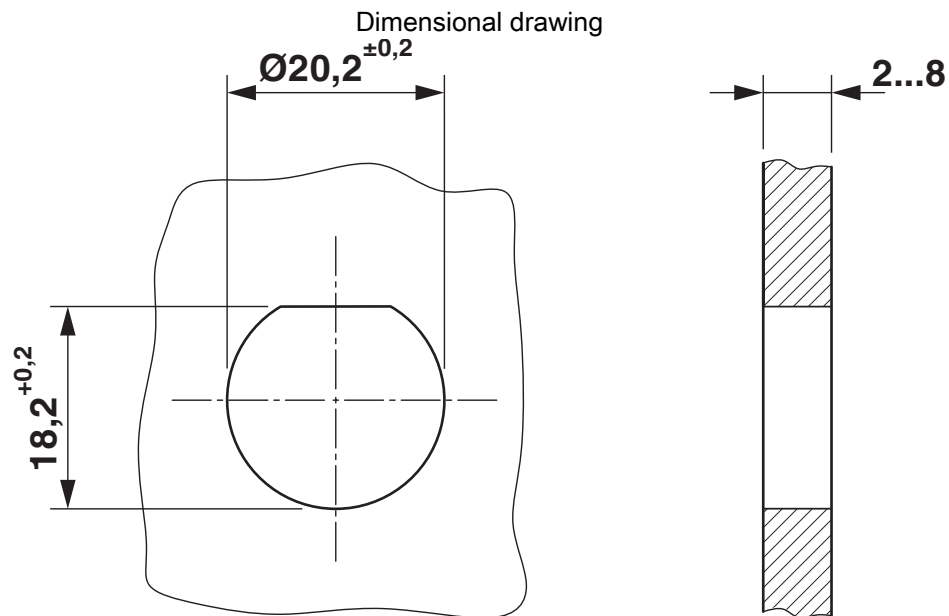
Diagram



Derating diagram

Dimensional drawing





Housing cutout

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Approvals

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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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