IPD W 3P2,5 M M25 BK - Panel feed-through

1088681

https://www.phoenixcontact.com/us/products/1088681

PHŒNIX CONTACT

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Panel feed-through, Push-in connection, number of positions: 2+PE, 0.5 mm^2 ... 2.5 mm^2, 500 V, 20 A, black, assembly thread: M25, Push-in connection

Your advantages

- Convenient: quick and easy assembly without special tools

Commercial data

Item number	1088681
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF51
Product key	BF6LAA
GTIN	4055626890975
Weight per piece (including packing)	36.9 g
Weight per piece (excluding packing)	35 g
Customs tariff number	85366990
Country of origin	CN

Technical data

Product properties

Product type	Panel feed-through
Product family	IPD
Number of positions	3
Connection profile	2+PE
Position marking	L, N, PE
Number of connections per position	1
Series	IPD

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection technology	Push-in connection
Connection system, internal	Push-in connection
Frequency of connections between conductors of the same cross section	10

Conductor connection

Conductor cross section flexibel	0.5 mm² ... 2.5 mm²
Conductor cross section solid	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14

Electrical properties

Rated surge voltage (III/3)	6 kV
Rated current	20 A
Rated voltage (III/3)	500 V
Nominal voltage U_N	500 V AC
	500 V DC
Nominal current I_N	20 A

Material specifications

Material	PA
Contact material	Cu
Contact surface material	Ni/Ag/Sn

Cable/line

Position marking	L, N, PE

Mounting

Mounting type	M25

Connection method	Push-in connection

Environmental and real-life conditions

Ambient conditions

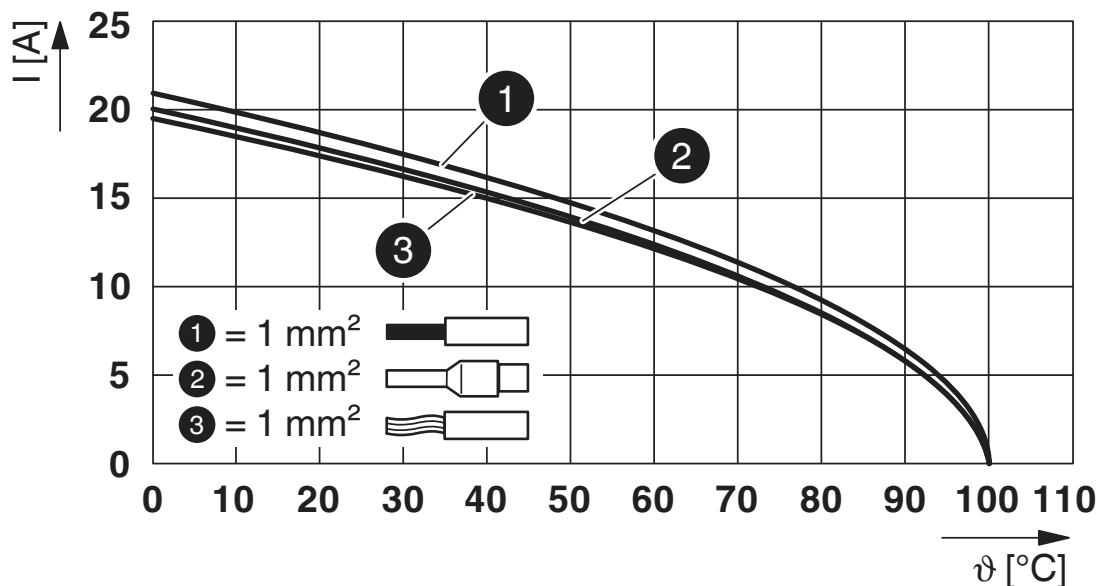| Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-30 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-30 °C ... 100 °C

Drawings

Diagram

I [A]

1 = 2,5 mm^2
2 = 2,5 mm^2
3 = 2,5 mm^2

ϑ [°C]
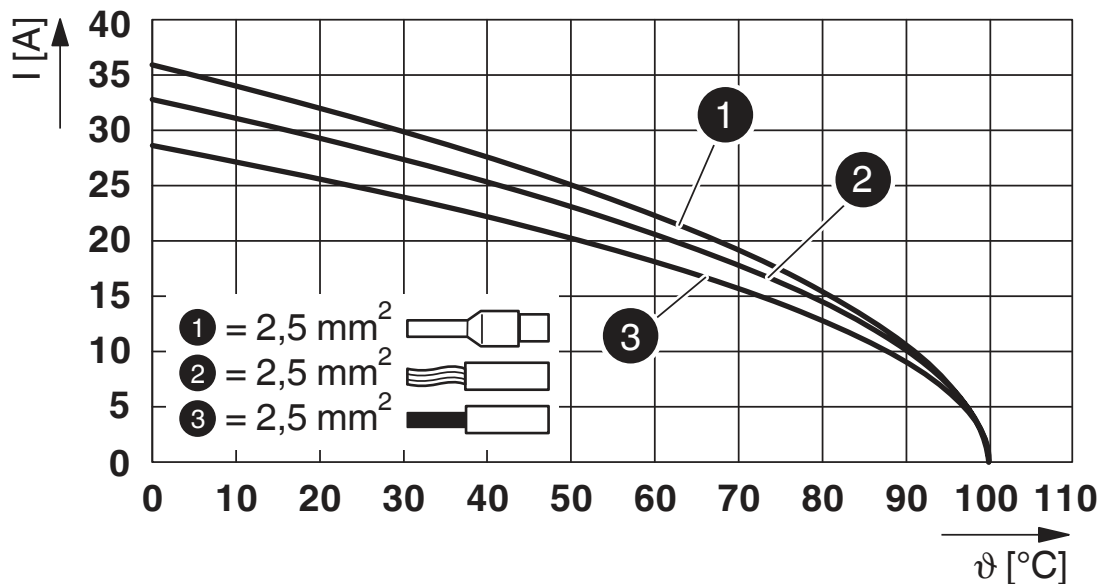
Derating diagram for 2.5 mm^2

Diagram

I [A]

1 = 1 mm^2
2 = 1 mm^2
3 = 1 mm^2

ϑ [°C]

Derating diagram for 1.0 mm^2

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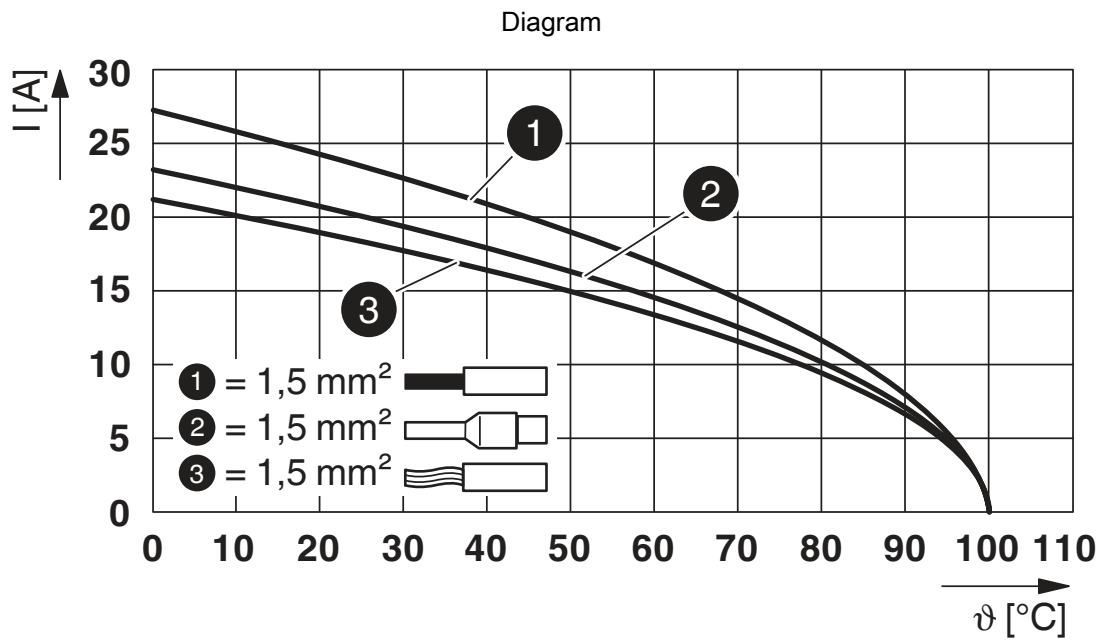
Diagram

Derating diagram for 1.5 mm^2

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002566

UNSPSC

UNSPSC 21.0	39121500

Environmental product compliance

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

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Mandatory accessories

IPD PL 3P2,5 F BK - Connector

1088666

https://www.phoenixcontact.com/us/products/1088666

Connector, Push-lock connection, number of positions: 2+PE, 0.5 mm^2 ... 2.5 mm^2, 500 V, 20 A, black, external cable diameter: 6 mm ... 9 mm and 8 mm ... 13 mm, Push-lock connection

Accessories

ZBF 4:UNBEDRUCKT - Zack Marker strip, flat

0808587

https://www.phoenixcontact.com/us/products/0808587

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

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UC-TMF 4 - Marker for terminal blocks

0818166

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Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.6 x 5.1 mm, Number of individual labels: 120

UCT-TMF 4 - Marker for terminal blocks

0828742

https://www.phoenixcontact.com/us/products/0828742

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 4.2 mm, lettering field size: 3.4 x 4.7 mm, Number of individual labels: 90

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SZF 1-0,6X3,5 - Screwdriver

1204517

https://www.phoenixcontact.com/us/products/1204517

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

CRIMPFOX CENTRUS 6S - Crimping pliers

1213144

https://www.phoenixcontact.com/us/products/1213144

Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm^2 … 6 mm^2, also for TWIN ferrules up to 2 x 4 mm^2, automatic cross section adjustment, lateral insertion, equipped with fall protection