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

1088684

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Panel feed-through, for connectors, product family: IPD, connection method: Push-in connection, number of positions: 2+PE, M25, Socket, 0.5 mm^2 ... 2.5 mm^2, 500 V, 20 A, PA, black, coding: P

Your advantages

- Easy distribution of power, as components are plugged directly
- Simple, time-saving wiring in the field with Push-Lock connection
- Reliable installation in harsh environments with IP66, IP68, and IP69K throughout the entire system
- Secure, tool-free locking even in particularly difficult installation situations
- Fast commissioning with preassembled cable assemblies

Commercial data

Item number	1088684
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	AF6LAA
GTIN	4055626890999
Weight per piece (including packing)	37.5 g
Weight per piece (excluding packing)	37.5 g
Customs tariff number	85366990
Country of origin	CN

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https://www.phoenixcontact.com/in/products/1088684

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
Type	for connectors
Coding	P

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data
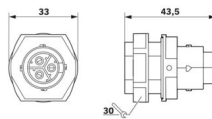
Connection technology

Connection method On the device side	Push-in connection

Conductor connection

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

Dimensions

Dimensional drawing	
Width	33 mm
Height	33 mm
Length	43.5 mm

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50 (IP66/IP68/IP69K)
	100 (IP66)

Material specifications

Color (Housing)	black (RAL 9005)
Material Housing	PA
Material Seal	EPDM
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	Ni/Ag/Sn

Cable/line

Position marking	L, N, PE

Mounting

Mounting type	M25

Environmental and real-life conditions

Ambient conditions

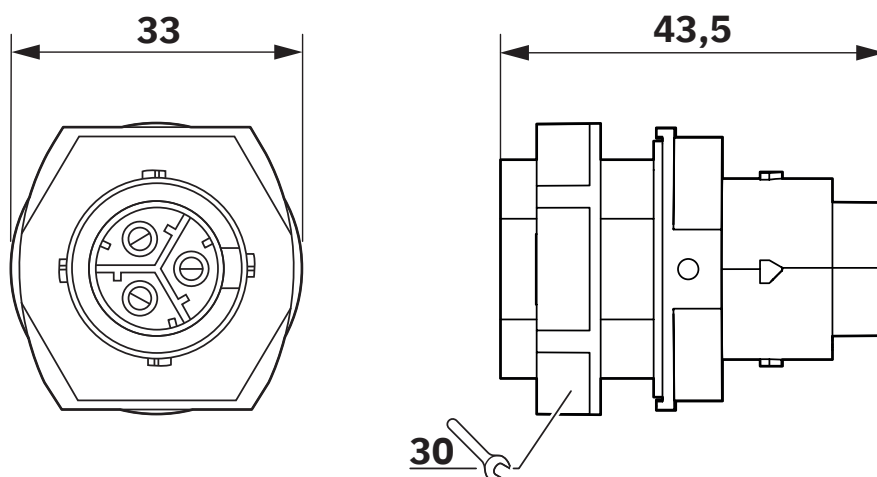|	
Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-30 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-30 °C ... 100 °C
Resistance to UV radiation	yes

Drawings

Dimensional drawing

33

43,5

30

Diagram

I [A]

25

20

15

10

5

0

0   10   20   30   40   50   60   70   80   90   100   110

① = 1 mm²

② = 1 mm²

③ = 1 mm²

ϑ [°C]

Derating diagram for 1.0 mm²

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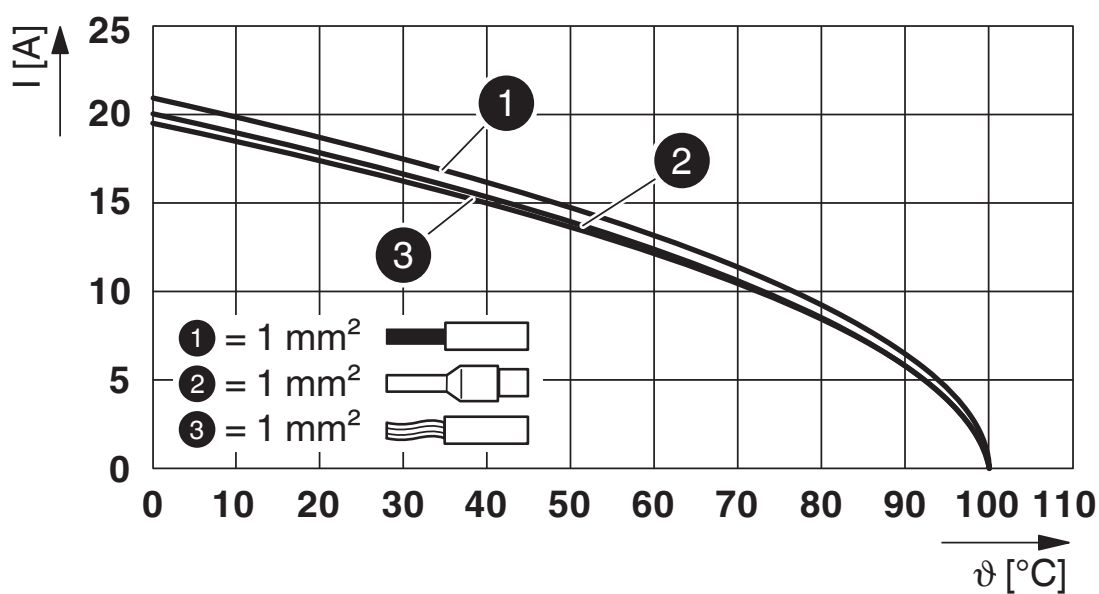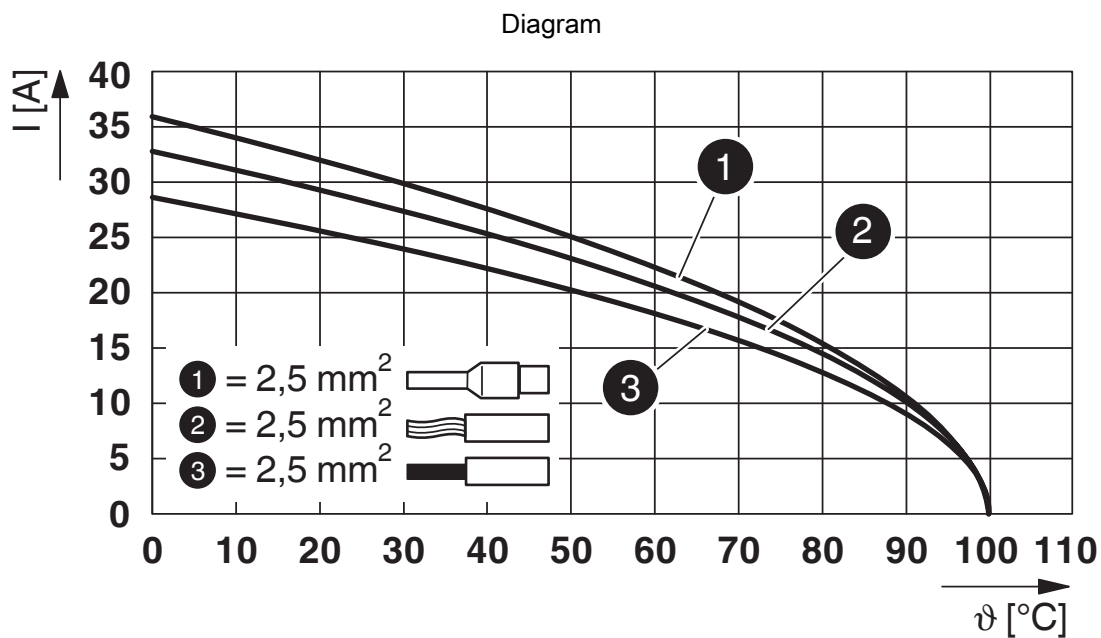
Diagram

Derating diagram for 2.5 mm^2
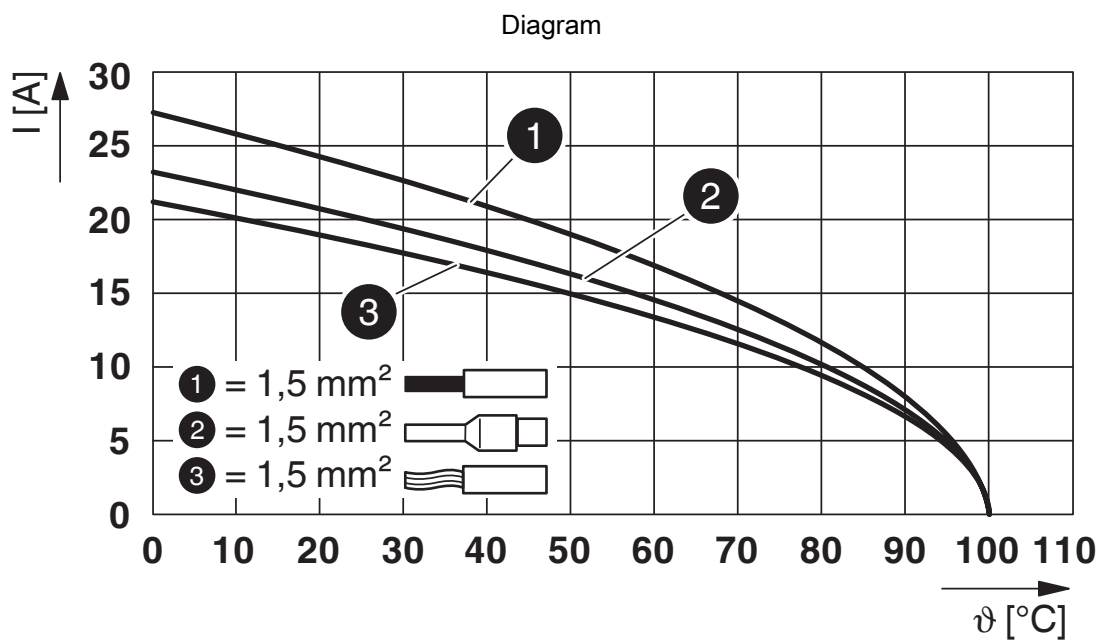
Diagram

Derating diagram for 1.5 mm^2

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1088684

VDE Zeichengenehmigung
Approval ID: 40059408

cULus Listed
Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only rigid conductors	600 V	20 A	- 14	-
multi-stranded with ferrule	600 V	20 A	- 14	-

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Classifications

ECLASS

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

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Mandatory accessories

IPD PL 3P2,5 M BK - Connector

1088664

https://www.phoenixcontact.com/in/products/1088664

Connector, product family: IPD, connection method: Push-lock connection, number of positions: 2+PE, Pin, 0.5 mm^2 ... 2.5 mm^2, 500 V, 20 A, PA, black, coding: P, external cable diameter: 6 mm ... 9 mm and 8 mm ... 13 mm

IPD PL 3P2,5 M A0,5 PVC GY - Connecting cable

1526861

https://www.phoenixcontact.com/in/products/1526861

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 0.5 m, Male straight, on free cable end

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IPD PL 3P2,5 M A1,0 PVC GY - Connecting cable

1526862

https://www.phoenixcontact.com/in/products/1526862

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 1 m, Male straight, on free cable end

IPD PL 3P2,5 M A3,0 PVC GY - Connecting cable

1526863

https://www.phoenixcontact.com/in/products/1526863

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 3 m, Male straight, on free cable end

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

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IPD PL 3P2,5 M A5,0 PVC GY - Connecting cable

1526864

https://www.phoenixcontact.com/in/products/1526864

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 5 m, Male straight, on free cable end

IPD PL 3P2,5 M A0,5 F PVC GY - Connecting cable

1526872

https://www.phoenixcontact.com/in/products/1526872

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket/pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 0.5 m, Male straight, on Socket straight

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IPD PL 3P2,5 M A1,0 F PVC GY - Connecting cable

1526873

https://www.phoenixcontact.com/in/products/1526873

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket/pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 1 m, Male straight, on Socket straight

IPD PL 3P2,5 M A3,0 F PVC GY - Connecting cable

1526874

https://www.phoenixcontact.com/in/products/1526874

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket/pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 3 m, Male straight, on Socket straight

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IPD PL 3P2,5 M A5,0 F PVC GY - Connecting cable

1526875

https://www.phoenixcontact.com/in/products/1526875

Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket/pin, 0.5 mm^2 ... 2.5 mm^2, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 5 m, Male straight, on Socket straight

Accessories

ZBF 4:UNBEDRUCKT - Zack Marker strip, flat

0808587

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

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: latching, for terminal block width: 4 mm, Number of individual labels: 10, text field height: 5.2 mm, text field width: 4.2 mm
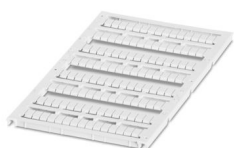
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UC-TMF 4 - Marker for terminal blocks

0818166

https://www.phoenixcontact.com/in/products/0818166

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

UCT-TMF 4 - Marker for terminal blocks

0828742

https://www.phoenixcontact.com/in/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: latching, for terminal block width: 4.2 mm, Number of individual labels: 90, text field height: 4.7 mm, text field width: 3.4 mm

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IPD PL CAP W26 WP GY - Protective cap

1088707

https://www.phoenixcontact.com/in/products/1088707

Protective cap, IPD, with locking element, IP66, IP68, IP69K, width: 26 mm, color: gray, for IPD P 3P2,5..., IPD W 3P2,5..., IPD H 3P,5..., IPD Y 3P2,5

SZF 1-0,6X3,5 - Screwdriver

1204517

https://www.phoenixcontact.com/in/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

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CRIMPFOX CENTRUS 6S - Crimping pliers

1213144

https://www.phoenixcontact.com/in/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

CRIMPFOX VARIO 4S - Crimping pliers

1108766

https://www.phoenixcontact.com/in/products/1108766

Crimping pliers, contact connection type: Insulated and uninsulated ferrules, min. cross section: 0.25 mm^2, max. cross section: 4 mm^2, compression: Square crimp, weight 401 g, black/green