

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Panel feed-through, for connectors, product family: IPD, connection method: Push-in connection, number of positions: 2+PE, M20, Pin, 0.5 mm² ... 2.5 mm², 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	1088679
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	AF6LAA
GTIN	4055626890968
Weight per piece (including packing)	30.7 g
Weight per piece (excluding packing)	30 g
Customs tariff number	85366990
Country of origin	CN

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

Technical data

Notes

General	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.
---------	---

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

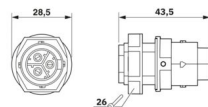
Connection technology

Connection method On the device side	Push-in connection
--------------------------------------	--------------------

Conductor connection

Conductor cross section flexibel	0.5 mm ² ... 2.5 mm ²
Conductor cross section solid	0.5 mm ² ... 2.5 mm ²
Conductor cross section with ferrule	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14

Dimensions

Dimensional drawing	
Width	28.5 mm
Height	28.5 mm
Length	43.5 mm
Hole diameter	20 mm ... 20.2 mm

Electrical properties

Rated surge voltage (III/3)	6 kV
-----------------------------	------

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

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	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)	-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

IPD W 3P2,5 M M20 BK - Panel feed-through

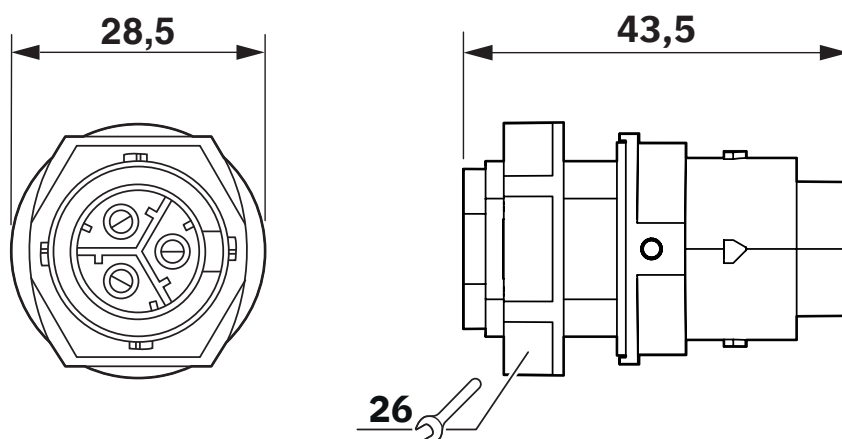
1088679

<https://www.phoenixcontact.com/in/products/1088679>



Drawings

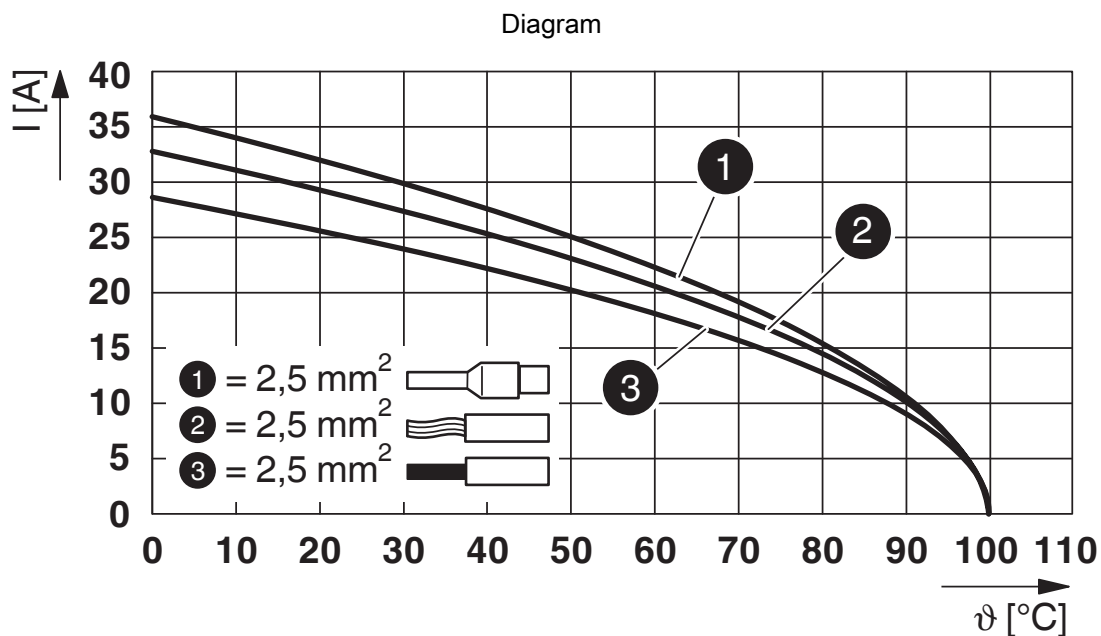
Dimensional drawing



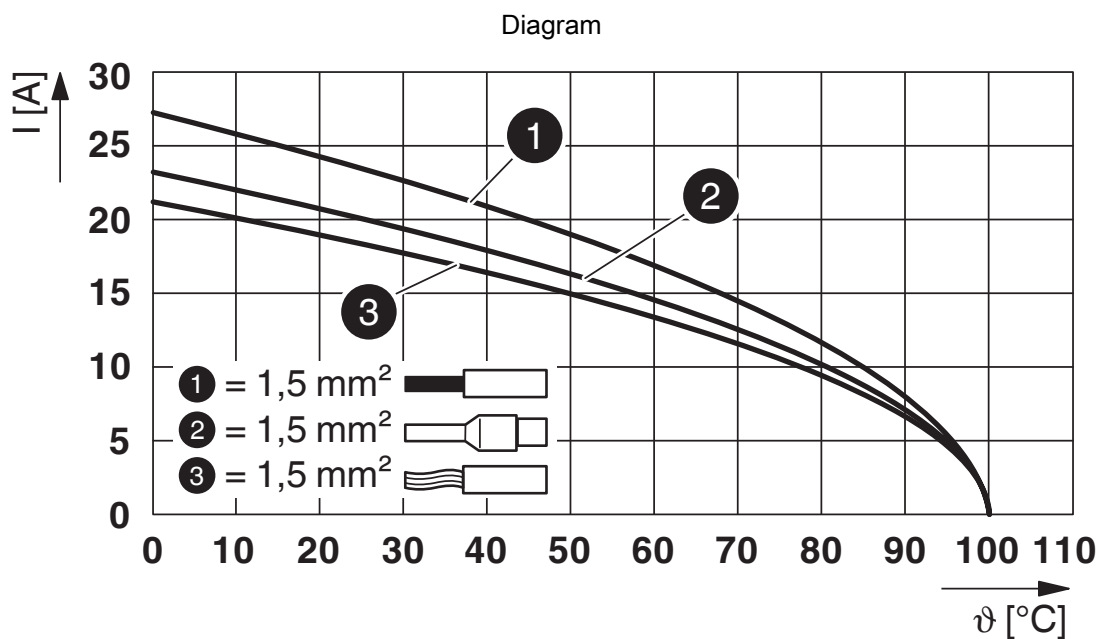
Diagram



Derating diagram for 1.0 mm²



Derating diagram for 2.5 mm²



Derating diagram for 1.5 mm²

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1088679>



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	-

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002566
----------	----------

UNSPSC

UNSPSC 21.0	39121500
-------------	----------

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

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%
-------------------------------------	----------------------------

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

Mandatory accessories

IPD PL 3P2,5 F BK - Connector

1088666

<https://www.phoenixcontact.com/in/products/1088666>



Connector, product family: IPD, connection method: Push-lock connection, number of positions: 2+PE, Socket, 0.5 mm² ... 2.5 mm², 500 V, 20 A, PA, black, coding: P, external cable diameter: 6 mm ... 9 mm and 8 mm ... 13 mm

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

1526865

<https://www.phoenixcontact.com/in/products/1526865>



Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket, 0.5 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², cable length: 0.5 m, Socket straight, on free cable end

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

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

1526866

<https://www.phoenixcontact.com/in/products/1526866>



Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket, 0.5 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², cable length: 1 m, Socket straight, on free cable end

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

1526867

<https://www.phoenixcontact.com/in/products/1526867>



Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket, 0.5 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², cable length: 3 m, Socket straight, on free cable end

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

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

1526869

<https://www.phoenixcontact.com/in/products/1526869>



Connecting cable, product family: IPD/ Push-lock connection, number of positions: 2+PE, Socket, 0.5 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², cable length: 5 m, Socket 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 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², cable length: 0.5 m, Male straight, on Socket straight

IPD W 3P2,5 M M20 BK - Panel feed-through



1088679

<https://www.phoenixcontact.com/in/products/1088679>

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 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², 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 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², cable length: 3 m, Male straight, on Socket straight

IPD W 3P2,5 M M20 BK - Panel feed-through

1088679

<https://www.phoenixcontact.com/in/products/1088679>



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 mm² ... 2.5 mm², 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², 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

IPD W 3P2,5 M M20 BK - Panel feed-through



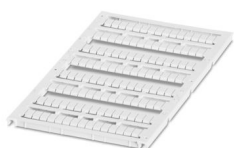
1088679

<https://www.phoenixcontact.com/in/products/1088679>

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

IPD W 3P2,5 M M20 BK - Panel feed-through

1088679

<https://www.phoenixcontact.com/in/products/1088679>



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

IPD W 3P2,5 M M20 BK - Panel feed-through

1088679

<https://www.phoenixcontact.com/in/products/1088679>



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 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², 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 mm², max. cross section: 4 mm², compression: Square crimp, weight 401 g, black/green

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in