

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



1088679

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

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Panel feed-through, for connectors, 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	BF51
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

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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.
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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
Coding	P

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

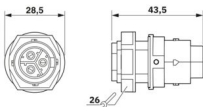
Connection technology

Connection method On the device side	Push-in connection
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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
Rated current	20 A

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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
Material Housing	(PA)
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	Ni/Ag/Sn

Cable/line

Position marking	L, N, PE
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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
	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

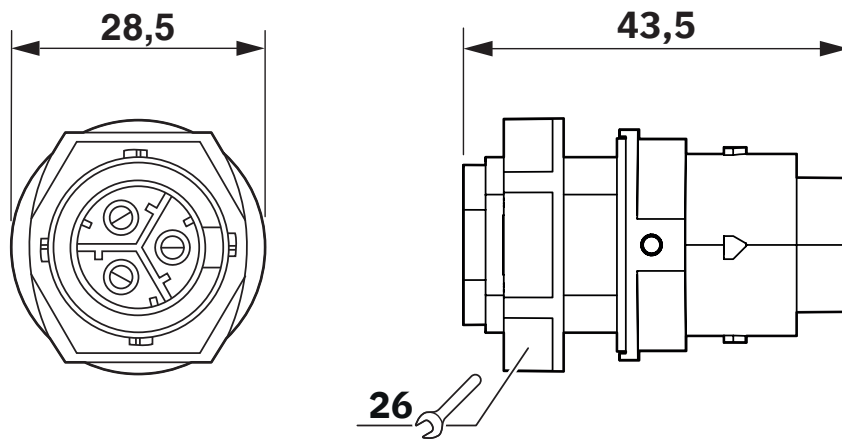
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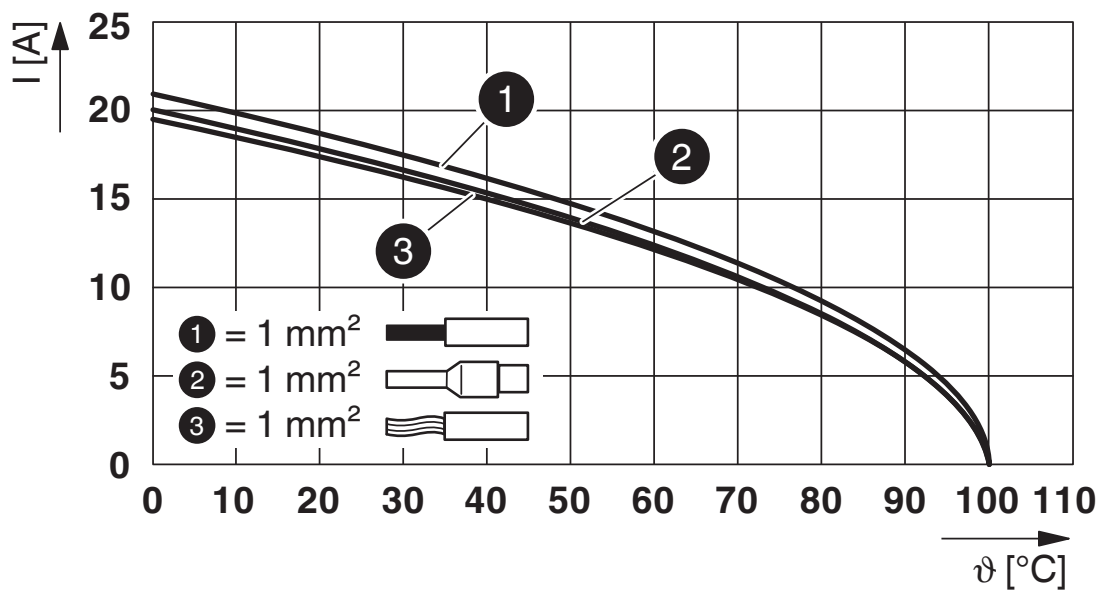
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Drawings

Dimensional drawing



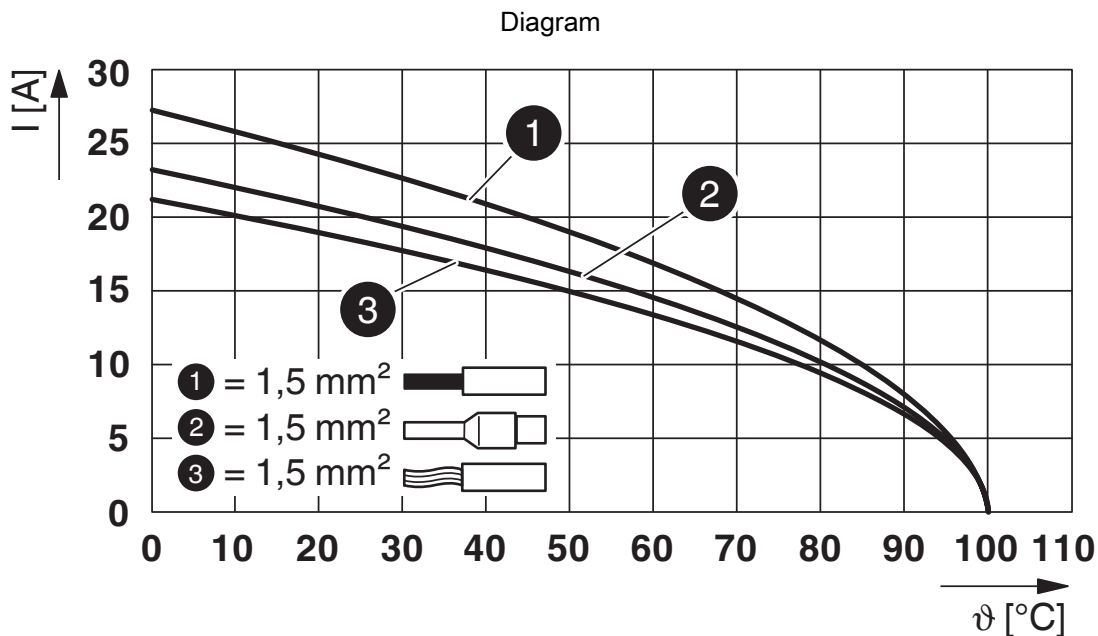
Diagram



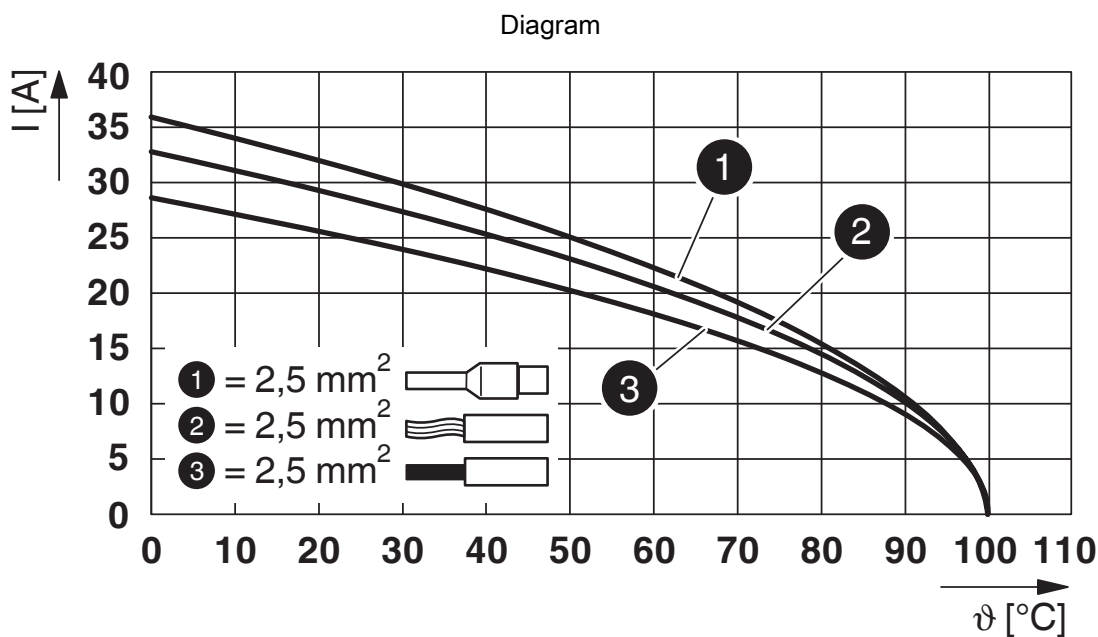
Derating diagram for 1.0 mm²

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Derating diagram for 1.5 mm²



Derating diagram for 2.5 mm²

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Approvals

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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
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Only rigid conductors	600 V	20 A	- 14	-
multi-stranded with ferrule	600 V	20 A	- 14	-
Only flexible conductors	600 V	20 A	- 14	-

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Classifications

ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

ETIM

ETIM 10.0	EC002566
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UNSPSC

UNSPSC 21.0	39121500
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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