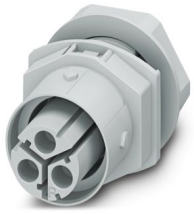
IPD W 3P2,5 F M20 GY - Panel feed-through

1088689

https://www.phoenixcontact.com/us/products/1088689

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Panel feed-through, for connectors, connection method: Push-in connection, number of positions: 2+PE, M20, Socket, 0.5 mm^2 ... 2.5 mm^2, 500 V, 20 A, light gray, 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	1088689
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF51
Product key	AF6LAA
GTIN	4055626891040
Weight per piece (including packing)	31 g
Weight per piece (excluding packing)	31 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
Coding	P

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

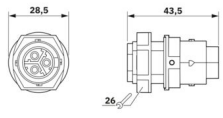
Connection technology

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	28.5 mm
Height	28.5 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)	light gray (RAL 7035)
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	M20

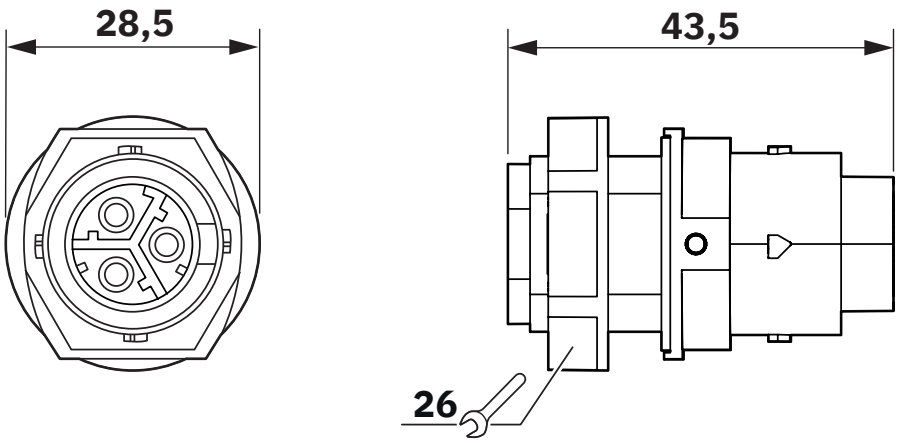
Environmental and real-life conditions

Ambient conditions

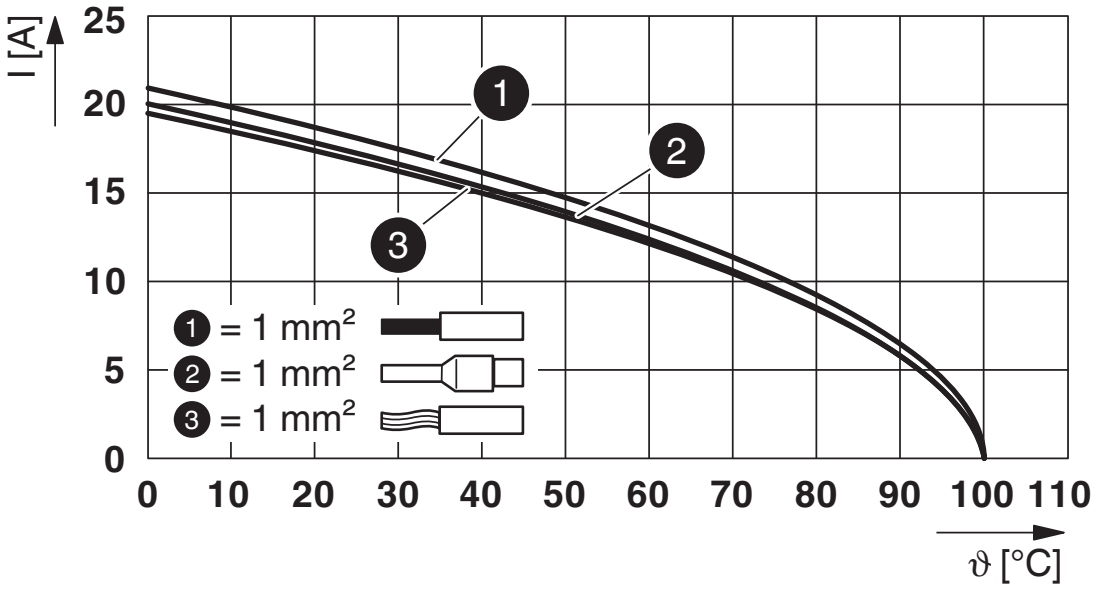
Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-30 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-30 °C ... 100 °C
Resistance to UV radiation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

Drawings

Dimensional drawing

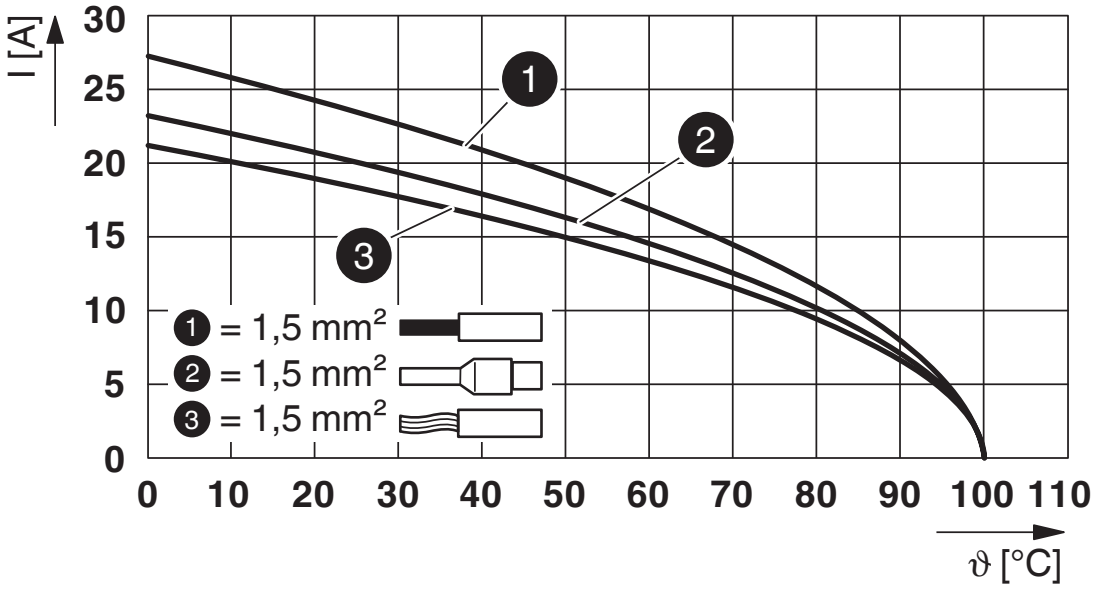


Diagram



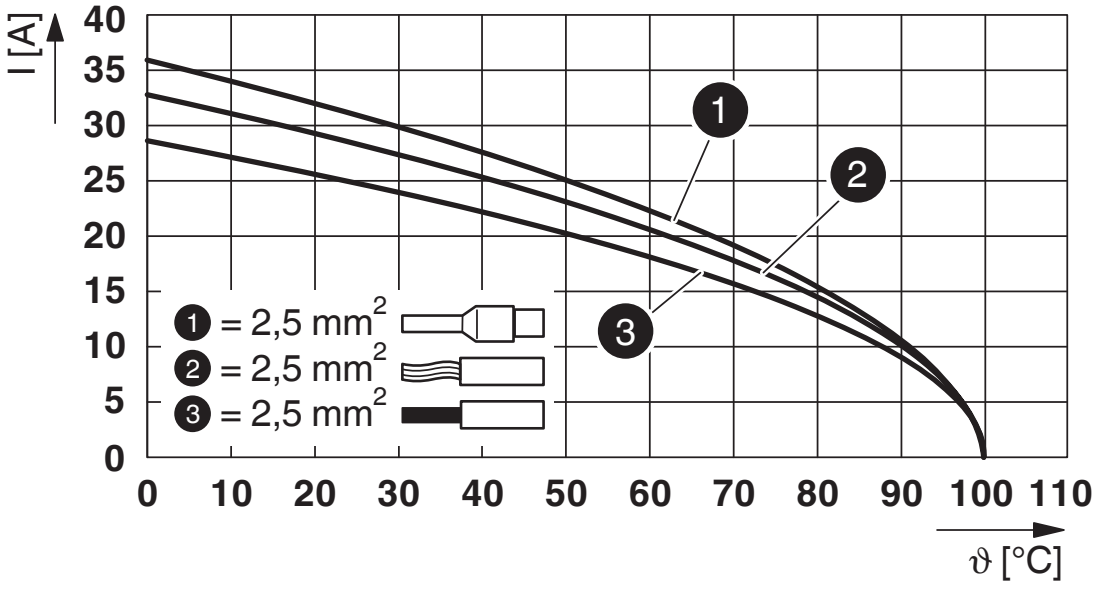
Derating diagram for 1.0 mm^2

Diagram



Derating diagram for 1.5 mm²

Diagram



Derating diagram for 2.5 mm²

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
keine				
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	-

Classifications

ECLASS

ECLASS-13.0	27440602
ECLASS-15.0	27440602

ETIM

ETIM 10.0	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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