

IPD P 3P2,5 M GY - Connector



1088671

<https://www.phoenixcontact.com/us/products/1088671>

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

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	1088671
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF51
Product key	BF6JAA
GTIN	4055626890883
Weight per piece (including packing)	48.4 g
Weight per piece (excluding packing)	48.4 g
Customs tariff number	85366990
Country of origin	DE

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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.

Product properties

Product type	Installation connector
Product family	IPD
Number of positions	3
Connection profile	2+PE
Position marking	L, N, PE
Number of connections per position	1
Coding	P

Data management status

Article revision	00
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

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

Connection data

Connection technology

Connection method On the field side	Push-lock 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

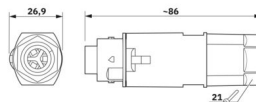
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Dimensional drawing



Width	26.5 mm
Height	26.9 mm
Length	85.9 mm

Material specifications

Color (Housing)	light gray (RAL 7035)
Material Housing	PA
Material Seal	NBR
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	Ni/Ag/Sn

Cable/line

External cable diameter	6 mm ... 9 mm
	8 mm ... 13 mm
Position marking	L, N, PE

Mechanical properties

Mechanical data

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

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

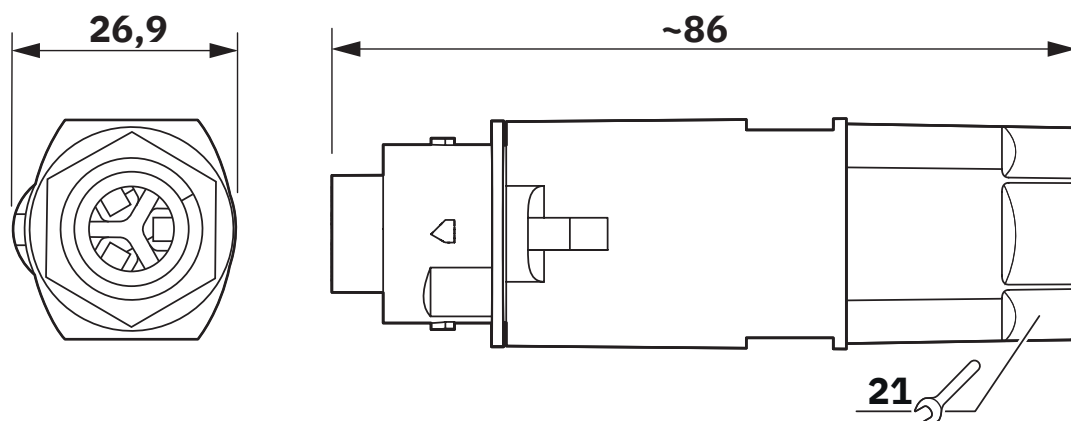
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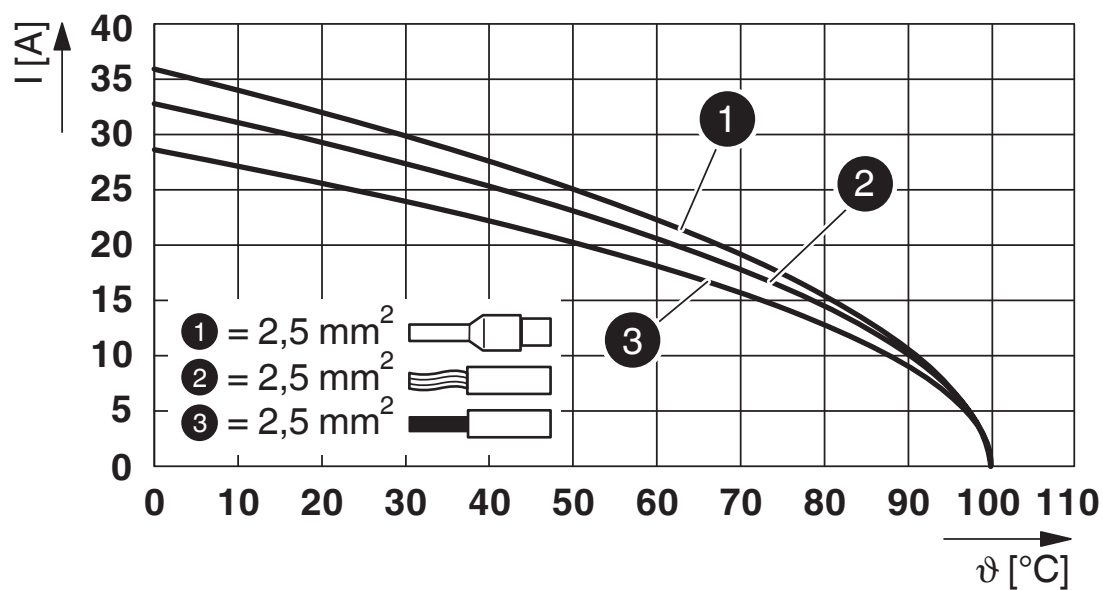
<https://www.phoenixcontact.com/us/products/1088671>

Drawings

Dimensional drawing



Diagram



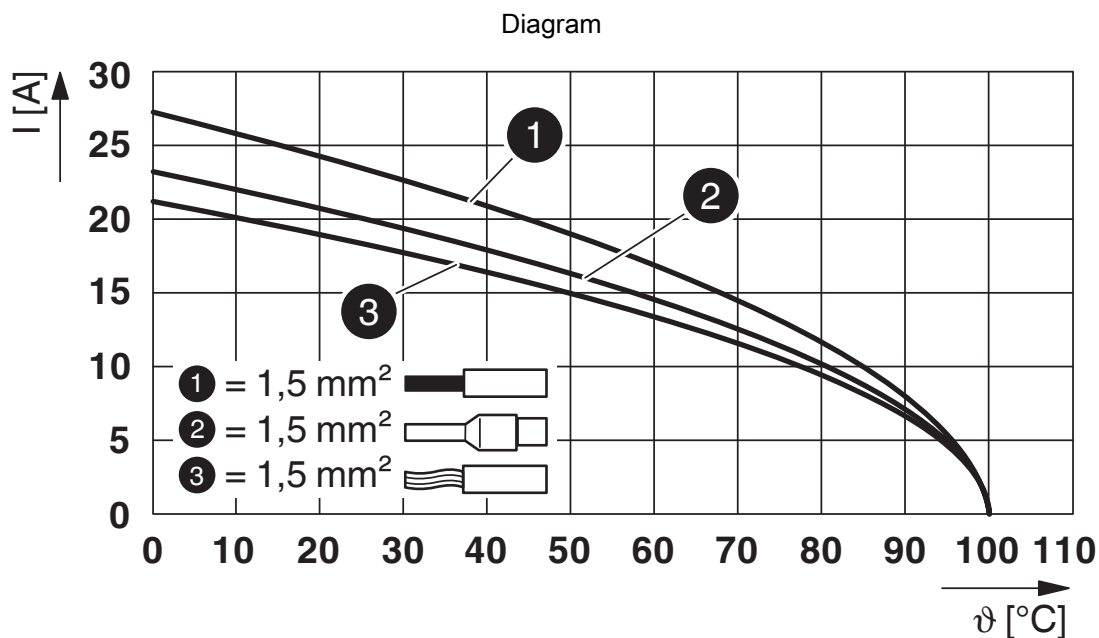
Derating diagram for 2.5 mm²

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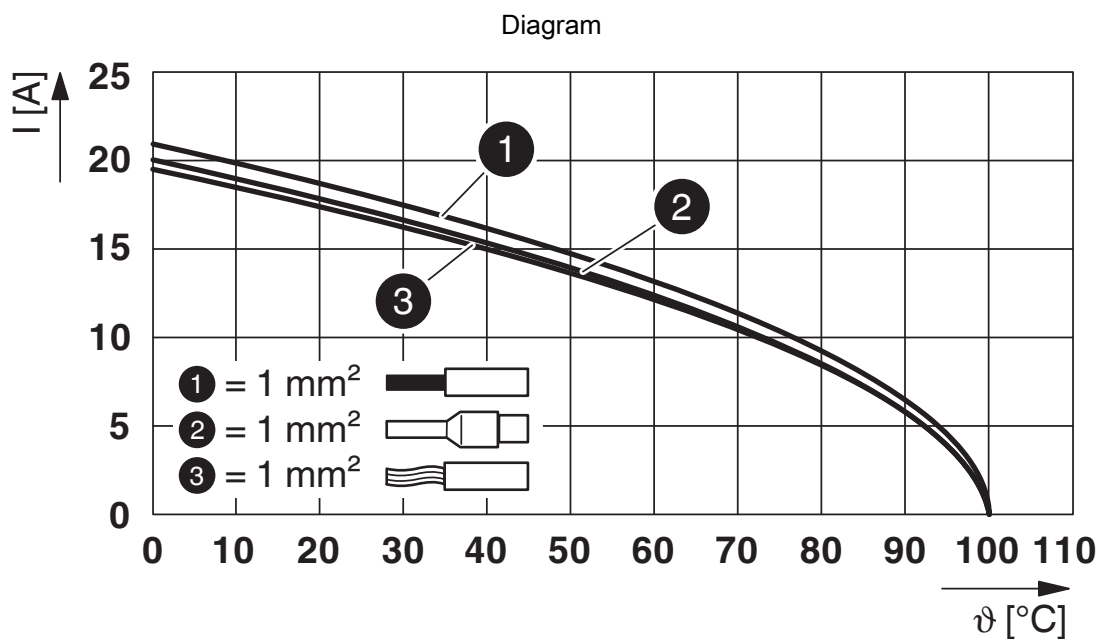


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Derating diagram for 1.5 mm²



Derating diagram for 1.0 mm²

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Classifications

ECLASS

ECLASS-11.0	27440605
ECLASS-13.0	27440605
ECLASS-12.0	27440605

ETIM

ETIM 9.0	EC002560
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UNSPSC

UNSPSC 21.0	39121400
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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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