

# IPD P 3P2,5 F GY - Connector



1088673

<https://www.phoenixcontact.com/us/products/1088673>

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Connector, Push-lock connection, number of positions: 2+PE, 0.5 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, 500 V, 20 A, light grey, external cable diameter: 6 mm ... 9 mm and 8 mm ... 13 mm, Push-lock connection

## Your advantages

- Convenient: quick and easy assembly without special tools

## Commercial data

Item number	1088673
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF51
Product key	BF6JAA
GTIN	4055626890906
Weight per piece (including packing)	48.9 g
Weight per piece (excluding packing)	48.9 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	<b>NOTE:</b> Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
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### 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
Series	IPD

### 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 technology	Push-lock connection
Connection system, internal	Push-lock connection
Frequency of connections between conductors of the same cross section	10

#### Conductor connection

Conductor cross section flexibel	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Connection cross section AWG	20 ... 14

### Material specifications

Material	PA
Contact material	Cu
Contact surface material	Ni/Ag/Sn

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## Cable/line

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

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Ambient temperature (operation)	-30 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-30 °C ... 100 °C

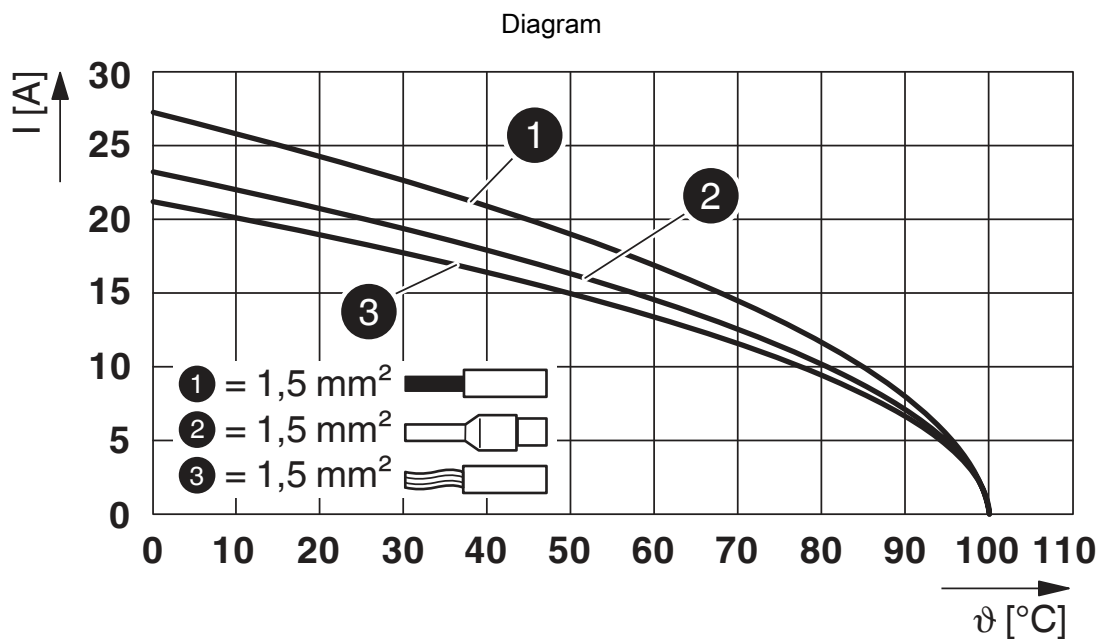
## Mounting

Connection method	Push-lock connection
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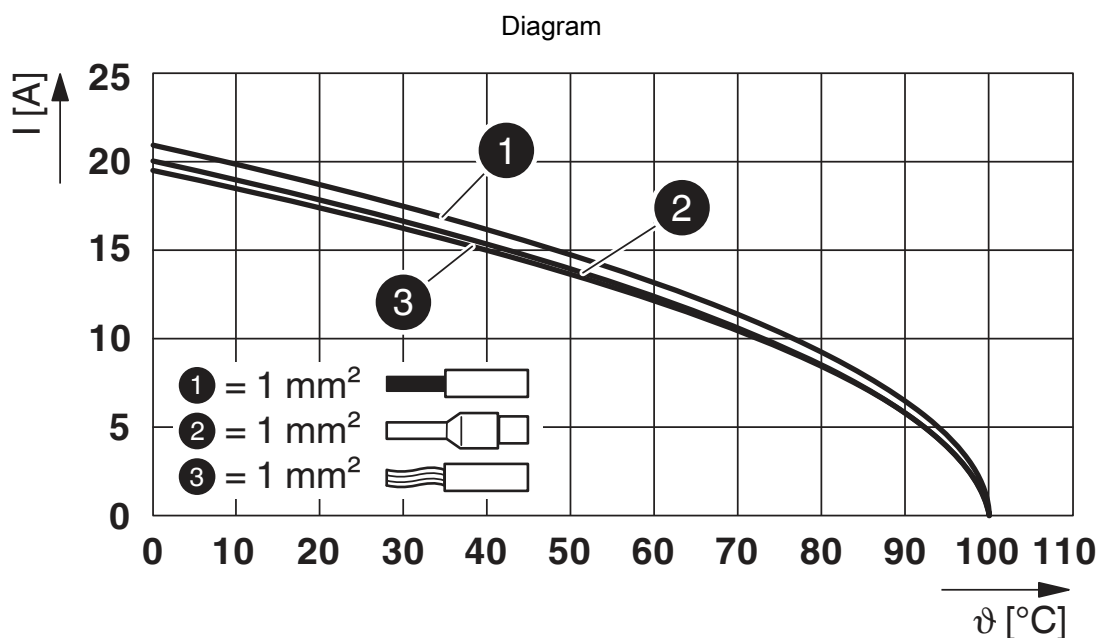
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## Drawings



Derating diagram for 1.5 mm<sup>2</sup>



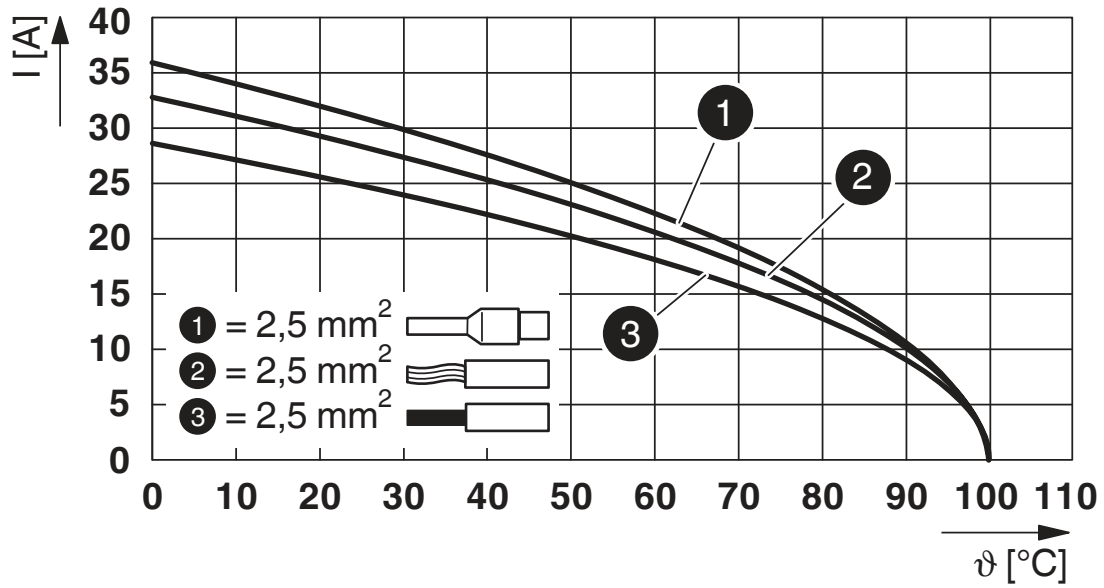
Derating diagram for 1.0 mm<sup>2</sup>

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Diagram



Derating diagram for 2.5 mm<sup>2</sup>

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002560
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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## Mandatory accessories

### IPD PL 3P2,5 M GY - Connector

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## Accessories

### SEALING PLUG 10X16 RD - Closing cap

1400284

<https://www.phoenixcontact.com/us/products/1400284>



Closing cap, for threads pluggable, color: red



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## SEALING PLUG 7X16 RD - Closing cap

1400255

<https://www.phoenixcontact.com/us/products/1400255>



Closing cap, color: red

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## ZBF 4:UNBEDRUCKT - Zack Marker strip, flat

0808587

<https://www.phoenixcontact.com/us/products/0808587>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 4 mm, lettering field size: 4.2 x 5.2 mm, Number of individual labels: 10

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## UC-TMF 4 - Marker for terminal blocks

0818166

<https://www.phoenixcontact.com/us/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: snapped, for terminal block width: 4.2 mm, lettering field size: 3.6 x 5.1 mm, Number of individual labels: 120

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## UCT-TMF 4 - Marker for terminal blocks

0828742

<https://www.phoenixcontact.com/us/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: snapped, for terminal block width: 4.2 mm, lettering field size: 3.4 x 4.7 mm, Number of individual labels: 90

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## SZF 1-0,6X3,5 - Screwdriver

1204517

<https://www.phoenixcontact.com/us/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/us/products/1213144>



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, also for TWIN ferrules up to 2 x 4 mm<sup>2</sup>, automatic cross section adjustment, lateral insertion, equipped with fall protection

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## QSS 22 - Socket wrench

1670206

<https://www.phoenixcontact.com/us/products/1670206>



Allen wrench, for loosening and fastening the QUICKON union nut, WAF 22 mm

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