

IPD P 3P2,5 M GY - Connector



1088671

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

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.



Connector, Push-lock connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 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	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

IPD P 3P2,5 M GY - Connector



1088671

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

Technical data

Notes

General	NOTE: 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.
---------	--

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

Material specifications

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

IPD P 3P2,5 M GY - Connector



1088671

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

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

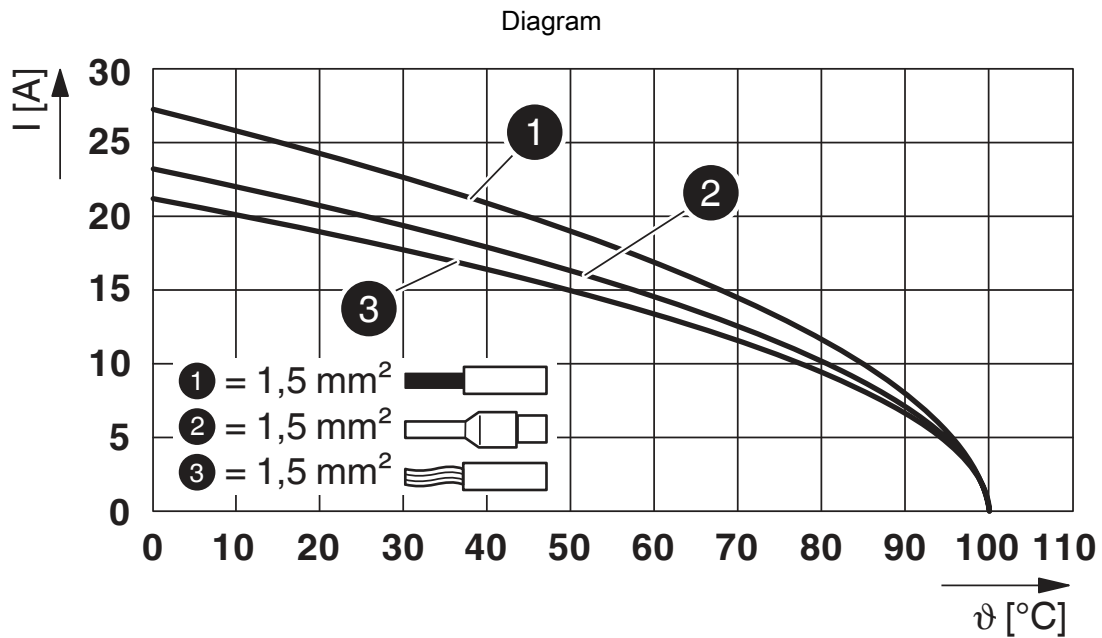
Mounting

Connection method	Push-lock connection
-------------------	----------------------

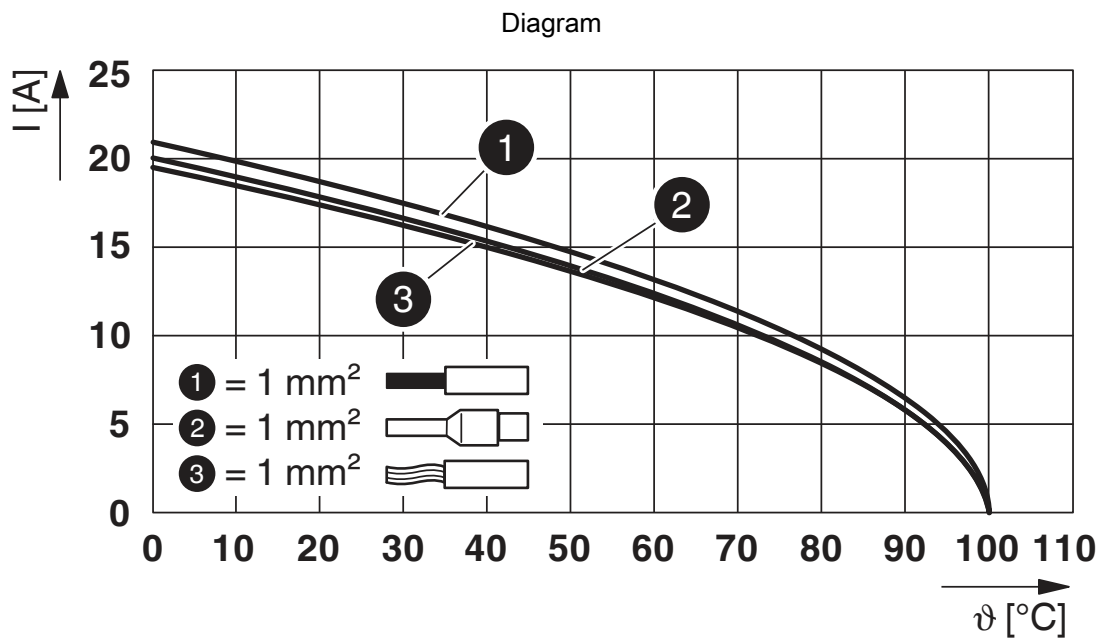
1088671

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

Drawings



Derating diagram for 1.5 mm²

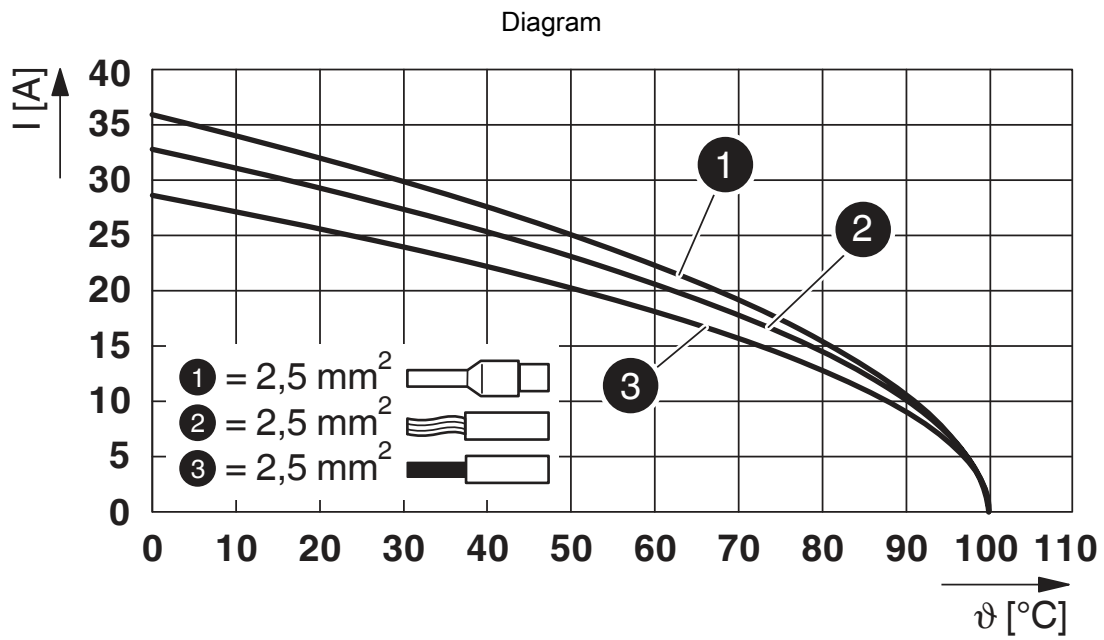


Derating diagram for 1.0 mm²

IPD P 3P2,5 M GY - Connector

1088671

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



Derating diagram for 2.5 mm²

IPD P 3P2,5 M GY - Connector



1088671

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

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002560
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

IPD P 3P2,5 M GY - Connector

1088671

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



Environmental product compliance

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

IPD P 3P2,5 M GY - Connector

1088671

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



Mandatory accessories

IPD PL 3P2,5 F GY - Connector

1088674

<https://www.phoenixcontact.com/us/products/1088674>



Connector, Push-lock connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 500 V, 20 A, light grey, external cable diameter: 6 mm ... 9 mm and 8 mm .. 13 mm, Push-lock connection

Accessories

SEALING PLUG 10X16 RD - Closing cap

1400284

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



Closing cap, for threads pluggable, color: red

IPD P 3P2,5 M GY - Connector

1088671

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



SEALING PLUG 7X16 RD - Closing cap

1400255

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



Closing cap, color: red

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

IPD P 3P2,5 M GY - Connector

1088671

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



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

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

IPD P 3P2,5 M GY - Connector

1088671

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



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

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 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

IPD P 3P2,5 M GY - Connector

1088671

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



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

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com