

Connector - IPD P 3P2,5 F BK



1088665

<https://www.phoenixcontact.com/de/produkte/1088665>

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Connector, Push-in connection, number of positions: 2+PE, 1 mm² ... 2.5 mm², 500 V, 20 A, black, external cable diameter: 6 mm ... 9 mm and 8 mm ... 13 mm, Push-in connection

Your advantages

- Convenient: quick and easy assembly without special tools

Commercial Data

Item number	1088665
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	D1 - Steckverbinder
Product Key	BF6JAA
GTIN	4055626890821
Weight per Piece (including packing)	49,2 g
Weight per Piece (excluding packing)	49,2 g
Customs tariff number	85366990
Country of origin	DE

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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.
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Product properties

Product type	Installation connector
Product family	IPD
Number of positions	3
Connection profile	2+PE
Locking type	Snap-in locking
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-in connection
Connection system, internal	Push-in connection
Frequency of connections between conductors of the same cross section	10

Conductor connection

Conductor cross section solid	0.5 mm ² ... 2.5 mm ²
Conductor cross section flexible	1 mm ² ... 2.5 mm ²
Conductor cross section AWG	20 ... 14

Material specifications

Color Housing	black
Contact material	Cu
Housing material	PA

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Cable / line

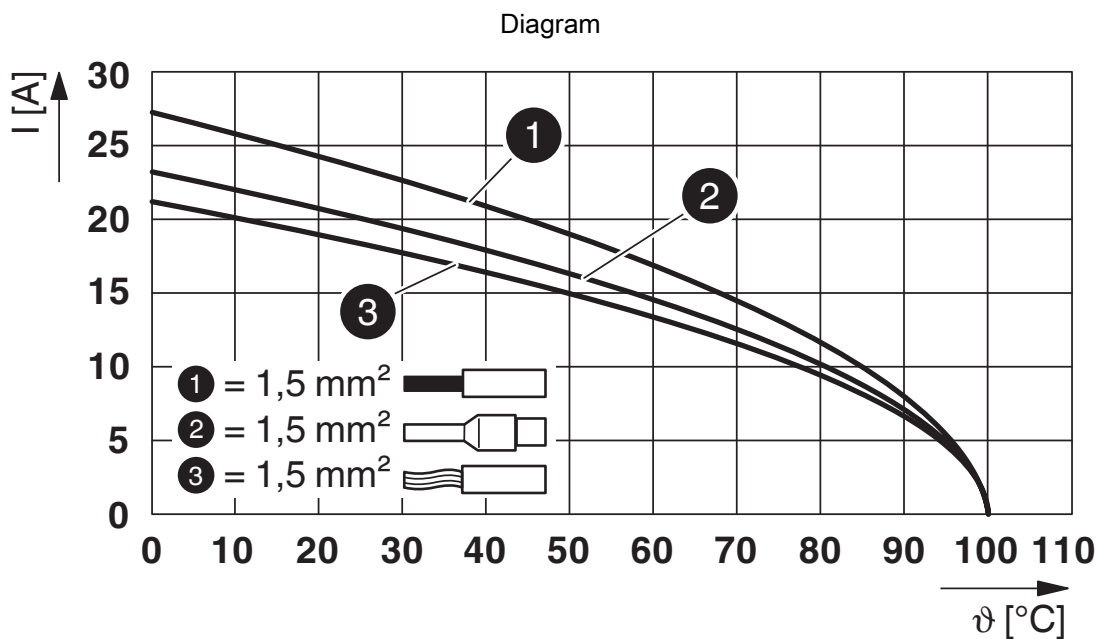
External cable diameter	6 mm ... 9 mm
	8 mm ... 13 mm

Environmental and real-life conditions

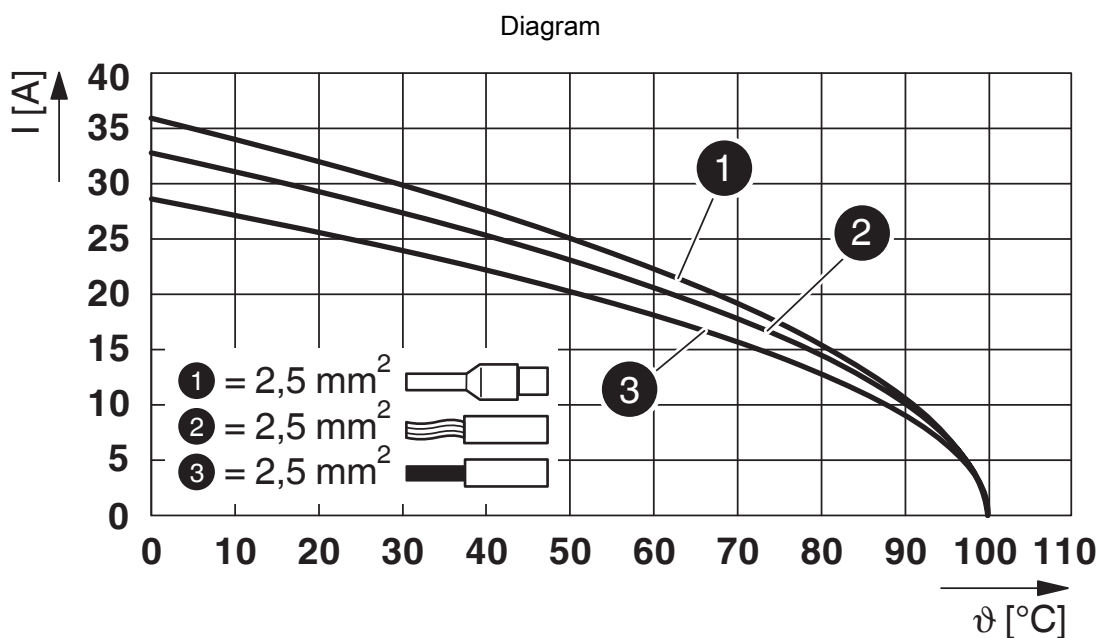
Ambient conditions

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

Drawings



Derating diagram for 1.5 mm²

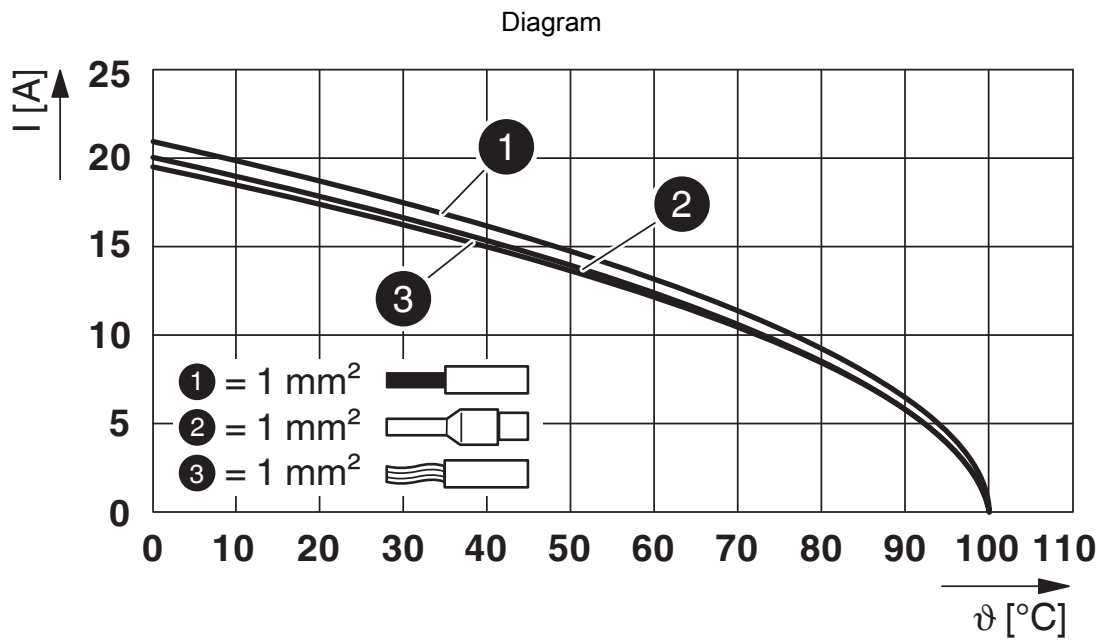


Derating diagram for 2.5 mm²

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Derating diagram for 1.0 mm²

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Classifications

ECLASS

ECLASS-11.0

27440605

ETIM

ETIM 8.0

EC002560

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

Connector

Connector - IPD PL 3P2,5 M BK - 1088664

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Accessories

Screwdriver

Screwdriver - SZF 1-0,6X3,5 - 1204517

<https://www.phoenixcontact.com/de/produkte/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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Crimping pliers

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144

<https://www.phoenixcontact.com/de/produkte/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

Closing cap

Closing cap - SEALING PLUG 10X16 RD - 1400284

<https://www.phoenixcontact.com/de/produkte/1400284>



Closing cap, for threads pluggable, color: red

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Closing cap

Closing cap - SEALING PLUG 7X16 RD - 1400255

<https://www.phoenixcontact.com/de/produkte/1400255>



Closing cap, color: red

Zack Marker strip, flat

Zack Marker strip, flat - ZBF 4:UNBEDRUCKT - 0808587

<https://www.phoenixcontact.com/de/produkte/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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Marker for terminal blocks

Marker for terminal blocks - UC-TMF 4 - 0818166

<https://www.phoenixcontact.com/de/produkte/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

Marker for terminal blocks

Marker for terminal blocks - UCT-TMF 4 - 0828742

<https://www.phoenixcontact.com/de/produkte/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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