

IPD PL 3P2,5 F BK - Connector



1088666

<https://www.phoenixcontact.com/us/products/1088666>

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Connector, Push-lock connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 500 V, 20 A, black, 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	1088666
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF51
Product key	BF6JAA
GTIN	4055626890838
Weight per piece (including packing)	53 g
Weight per piece (excluding packing)	53 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
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

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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

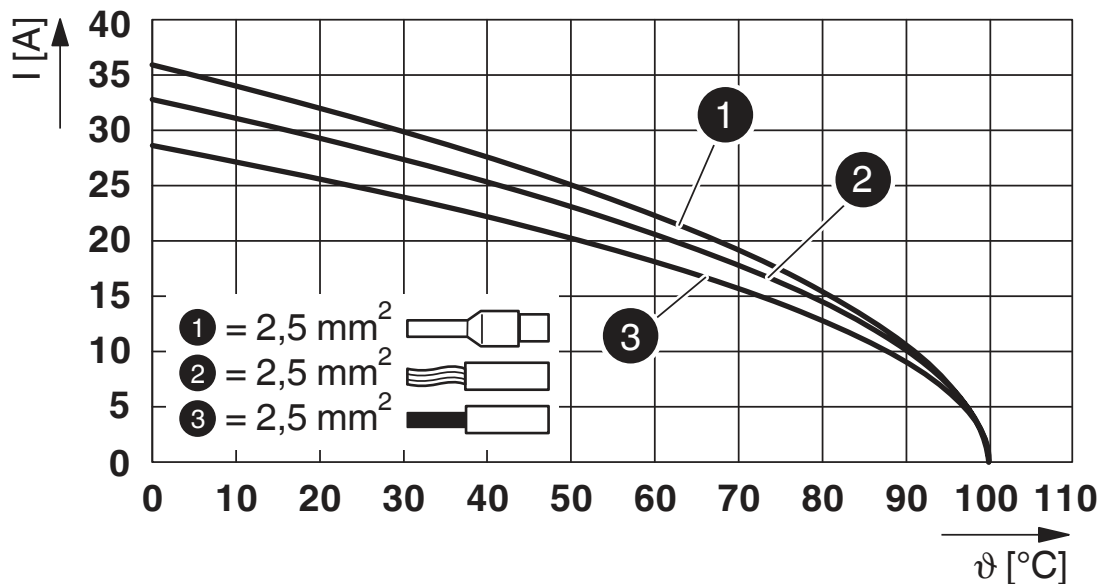
Connection method	Push-lock connection
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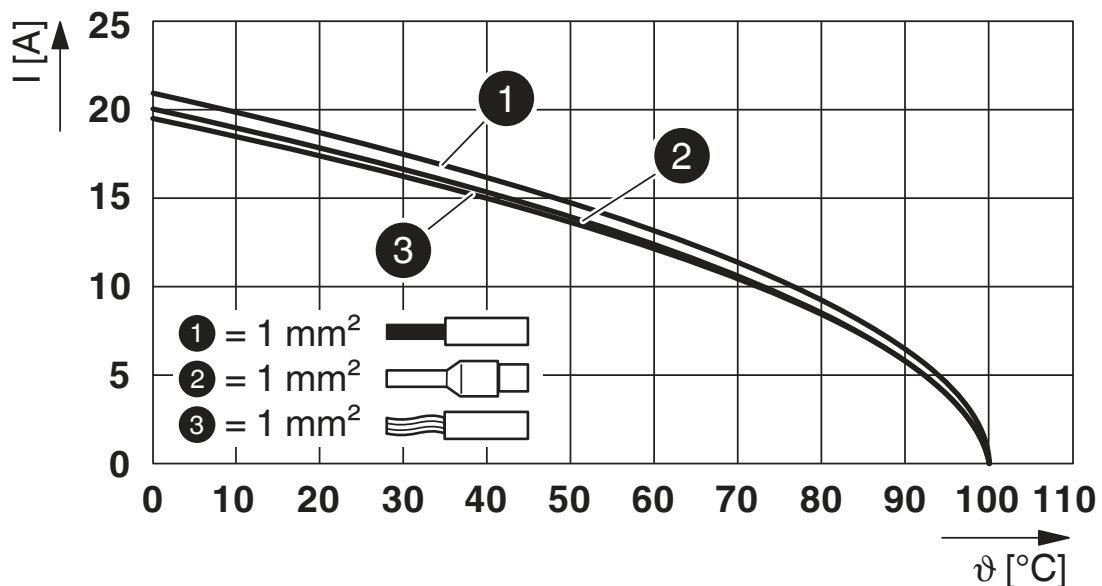
Drawings

Diagram



Derating diagram for 2.5 mm²

Diagram

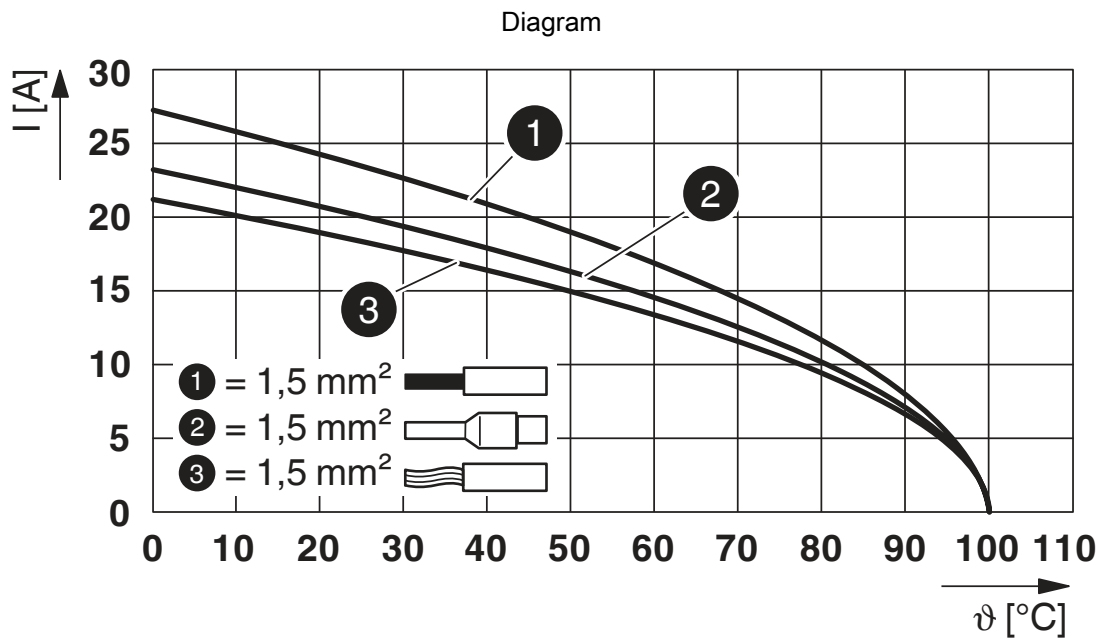


Derating diagram for 1.0 mm²

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Derating diagram for 1.5 mm²

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Classifications

ECLASS

ECLASS-11.0	27440605
ECLASS-12.0	27440605
ECLASS-13.0	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 W 3P2,5 M M20 BK - Panel feed-through

1088679

<https://www.phoenixcontact.com/us/products/1088679>



Panel feed-through, Push-in connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 500 V, 20 A, black, assembly thread: M20, Push-in connection

IPD W 3P2,5 M M25 BK - Panel feed-through

1088681

<https://www.phoenixcontact.com/us/products/1088681>



Panel feed-through, Push-in connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 500 V, 20 A, black, assembly thread: M25, Push-in connection

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IPD P 3P2,5 M BK - Connector

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Connector, Push-lock connection, number of positions: 2+PE, 0.5 mm² ... 2.5 mm², 500 V, 20 A, black, 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

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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

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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

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

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

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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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