

1047345
<https://www.phoenixcontact.com/us/products/1047345>

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Panel feed-through, Direct connection, product family: IPD, connection method: Push-in connection/ Push-in connection, number of positions: 4+PE, M25, 0.5 mm² ... 2.5 mm², 600 V, 20 A, PA, black, external cable diameter: 7 mm ... 11 mm and 11 mm ... 16 mm

Your advantages

- Convenient: quick and easy assembly without special tools
- Fast and easy startup, thanks to tool-free Push-in connection technology
- Reliable installation in harsh environments with IP66, IP68, and IP69K throughout the entire system

Commercial data

Item number	1047345
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF51
Product key	BF6ICA
GTIN	4055626646169
Weight per piece (including packing)	82.9 g
Weight per piece (excluding packing)	80.5 g
Customs tariff number	85366990
Country of origin	CN

IPD WD 5P2,5 M25 BK - Panel feed-through



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Technical data

Product properties

Product type	Panel feed-through
Product family	IPD
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Type	Direct connection

Data management status

Article revision	06
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Connection data

Connection technology

Connection method On the device side	Push-in connection
Connection method On the field side	Push-in connection
Frequency of connections between conductors of the same cross section	max. 10

Conductor connection

Conductor cross section flexibel	0.5 mm² ... 2.5 mm²
Conductor cross section solid	0.5 mm² ... 2.5 mm²
Conductor cross section with ferrule	0.5 mm² ... 2.5 mm²
Connection cross section AWG	20 ... 14

Dimensions

Dimensional drawing	
Width	33 mm
Length	96.9 mm

Electrical properties

Rated surge voltage (III/3)	6 kV
Rated current	20 A
Rated voltage (III/3)	600 V
Nominal voltage U _N	690 V AC 690 V DC

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Nominal current I_N	20 A (observe derating)
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	10
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Material specifications

Color	black (RAL 9005)
Material Housing	PA
Material Seal	NBR (Field)
	EPDM (Device)
Flammability rating according to UL 94	V0
Contact material	Cu
Contact surface material	Ni/Sn

Cable/line

External cable diameter	7 mm ... 11 mm
	11 mm ... 16 mm
Stripping length of the individual wire	10 mm
Position marking	1, 2, 3, N, PE

Mounting

Mounting type	Front mounting M25
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K
Impact strength	IK07
Ambient temperature (operation)	-40 °C ... 100 °C (T = 55 °C)
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 100 °C
Resistance to UV radiation	yes

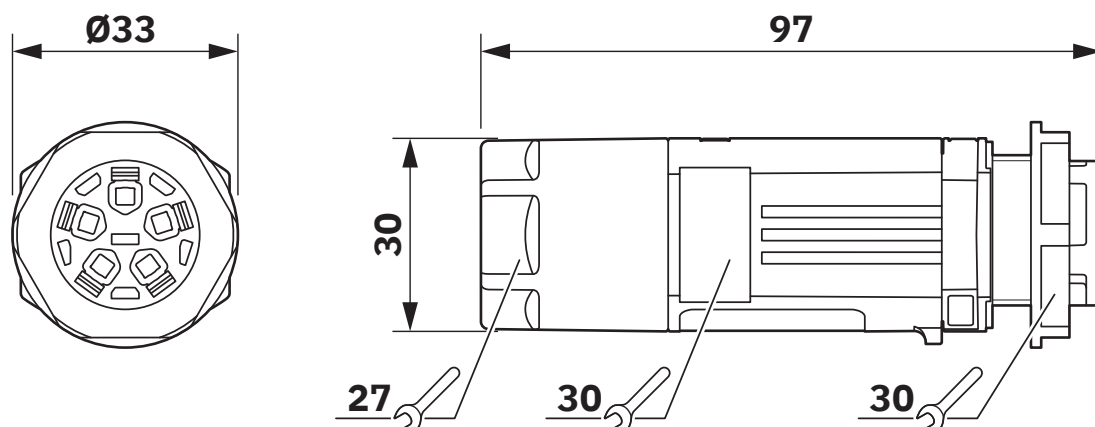
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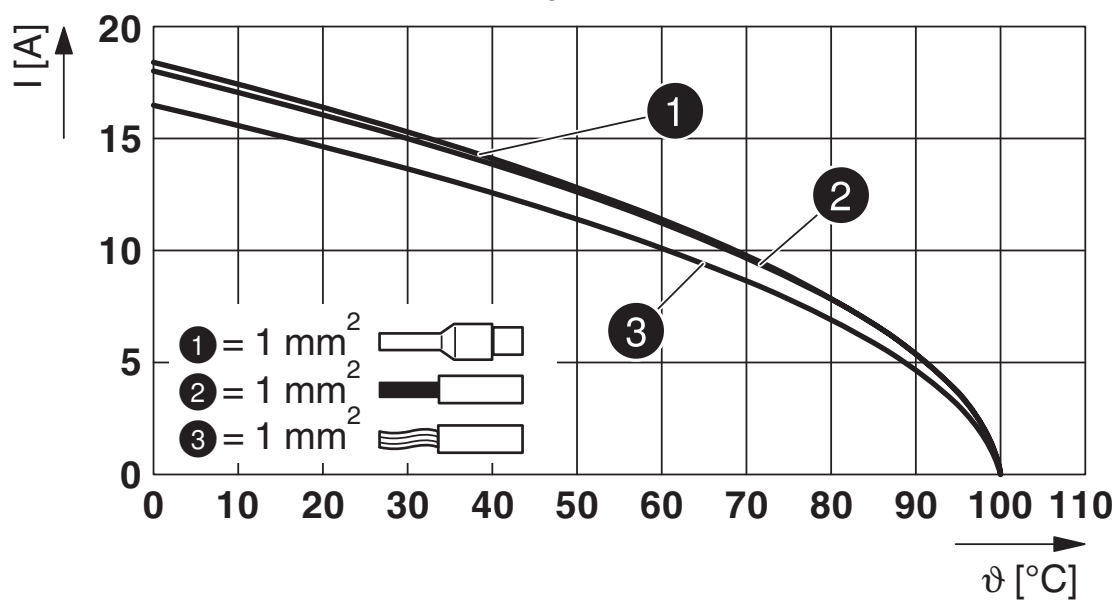
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Drawings

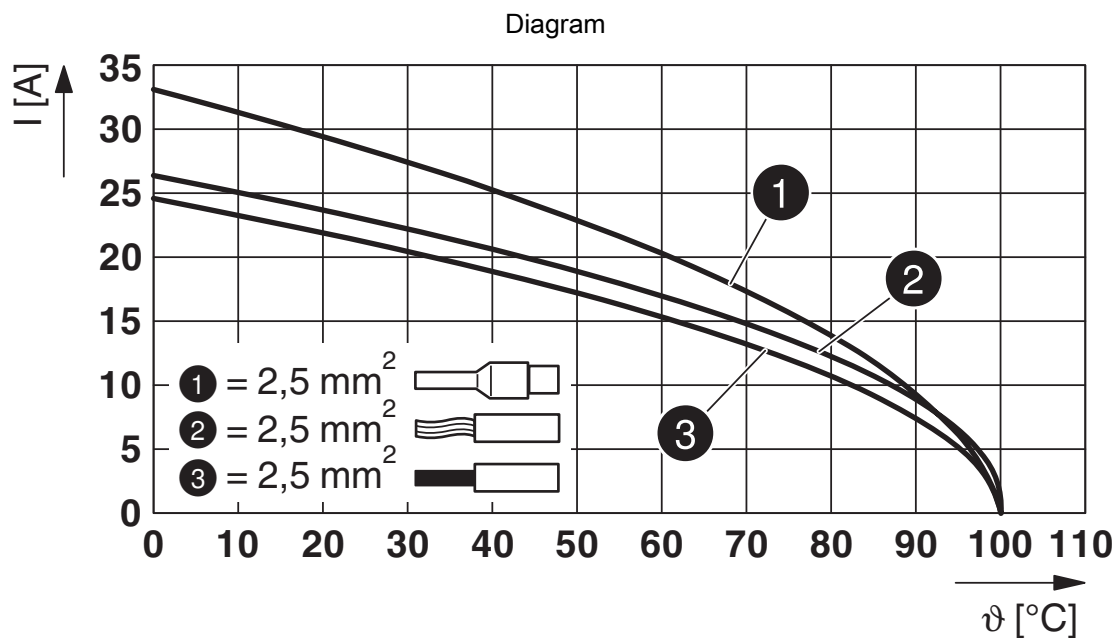
Dimensional drawing



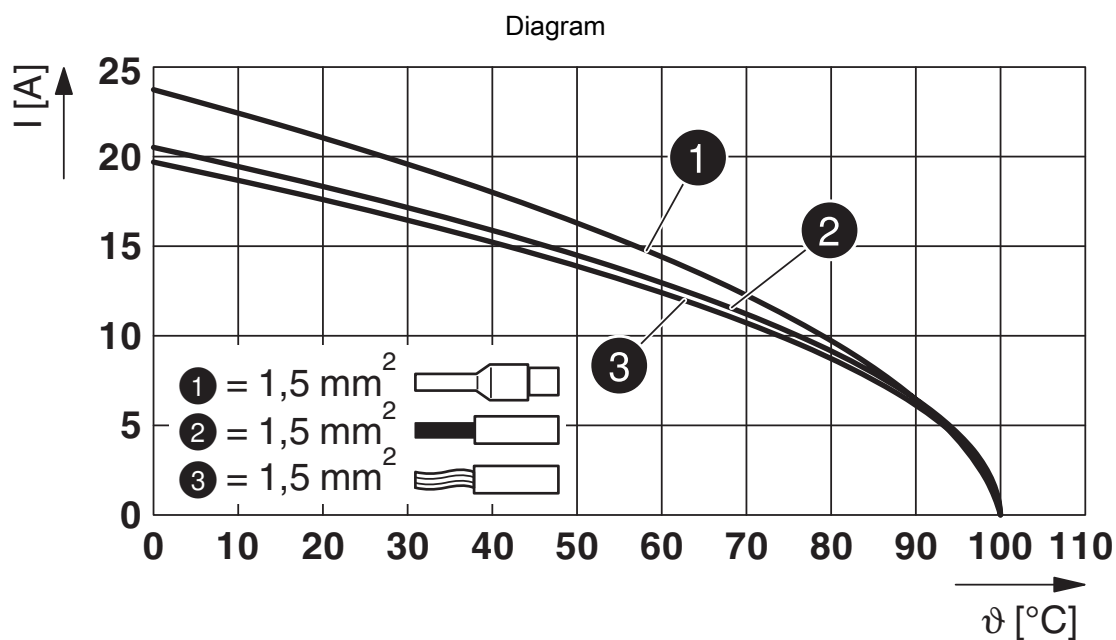
Diagram



Derating diagram for 1.0 mm²



Derating diagram for 2.5 mm²



Derating diagram for 1.5 mm²

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1047345>



VDE Zeichengenehmigung

Approval ID: 40049992

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	690 V	20 A	-	0.5 - 2.5

DNV

Approval ID: TAE00004G2



UL Listed

Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only rigid conductors	600 V	20 A	-	- 14
multi-stranded with ferrule	600 V	20 A	-	- 14



cUL Listed

Approval ID: E468743

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Only flexible conductors	600 V	15 A	- 14	-
Only rigid conductors	600 V	16 A	- 14	-
multi-stranded with ferrule	600 V	16 A	- 14	-

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27440602
ECLASS-13.0	27440602
ECLASS-12.0	27440602

ETIM

ETIM 9.0	EC002566
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UNSPSC

UNSPSC 21.0	39121500
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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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