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IPD PL 5P2,5 M A1,0 PVC GY - Connecting cable

1526877

https://www.phoenixcontact.com/gb/products/1526877

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Connecting cable, product family: IPD/ Push-lock connection, number of positions: 4+PE, Pin, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm^2, cable length: 1 m, Male straight, on free cable end

Your advantages

- Easy distribution of power, as components are plugged directly
- Simple, time-saving wiring in the field with Push-Lock connection
- Reliable installation in harsh environments with IP66, IP68, and IP69K throughout the entire system
- Secure, tool-free locking even in particularly difficult installation situations
- Fast commissioning with preassembled cable assemblies

Commercial data

Item number	1526877
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AF6NCA
Product key	AF6NCA
GTIN	4063151996314
Weight per piece (including packing)	306 g
Weight per piece (excluding packing)	306 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Notes

General	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.
Order information:	This item is also available with other cable lengths. For your specific requirements, please contact your local PHOENIX CONTACT subsidiary.

Product properties

Product type	Assembled installation cable
Product family	IPD
Number of positions	5
Connection profile	4+PE
Position marking	1, 2, 3, N, PE
Number of connections per position	1
Coding	P

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

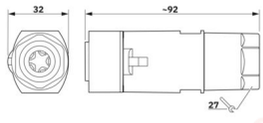
Rated surge voltage (III/3)	6 kV
Rated current	16 A (in accordance with IEC 61984 at 25 °C ambient temperature)
Rated voltage (III/3)	450 V (flexible installation)
	600 V (Fixed, protected installation)
Nominal voltage U_N	450 V AC/DC (flexible installation)
	600 V AC/DC (Fixed, protected installation)
Nominal current I_N	16 A (in accordance with IEC 61984 at 25 °C ambient temperature)

Connection data

Connection technology

Connection method On the field side	Push-lock connection

Dimensions

Dimensional drawing	
Width	32.5 mm

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Height	32.1 mm
Length	91.6 mm

Material specifications

Color (Housing)	light gray (RAL 7035)
Material Housing	PA
Material Seal	NBR
Contact material	Cu
Contact surface material	Ni/Ag/Sn

Cable/line

Cable length	1 m
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 5 in accordance with IEC 60228
External cable diameter	11.8 mm
Position marking	1, 2, 3, N, PE
Single wire, color	Brown 1, black 2, gray 3, blue N, green-yellow PE
Cable cross section	2.5 mm²
Material wire insulation	PVC
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	15 x D
Ambient temperature (operation)	-30 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 70 °C (Cable, flexible installation)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50 (IP66/IP68/IP69K)
	100 (IP66)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 24 h)
	IP69K (Distance from the nozzle 150 mm)
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-5 °C ... 70 °C (Cable, flexible installation)
	-30 °C ... 80 °C (cable, fixed installation)
	-30 °C ... 100 °C (Plug)
Temperature when conductor connected	-5 °C ... 50 °C
Resistance to UV radiation	no

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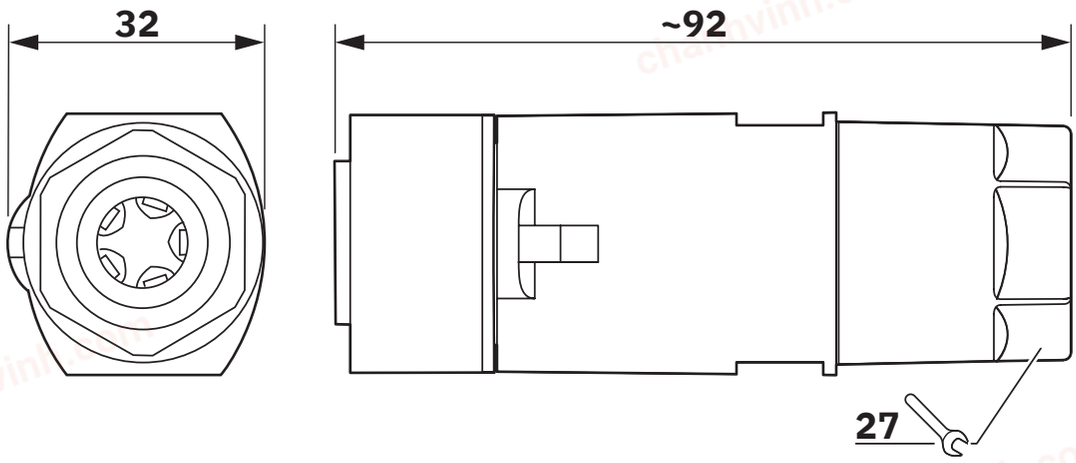
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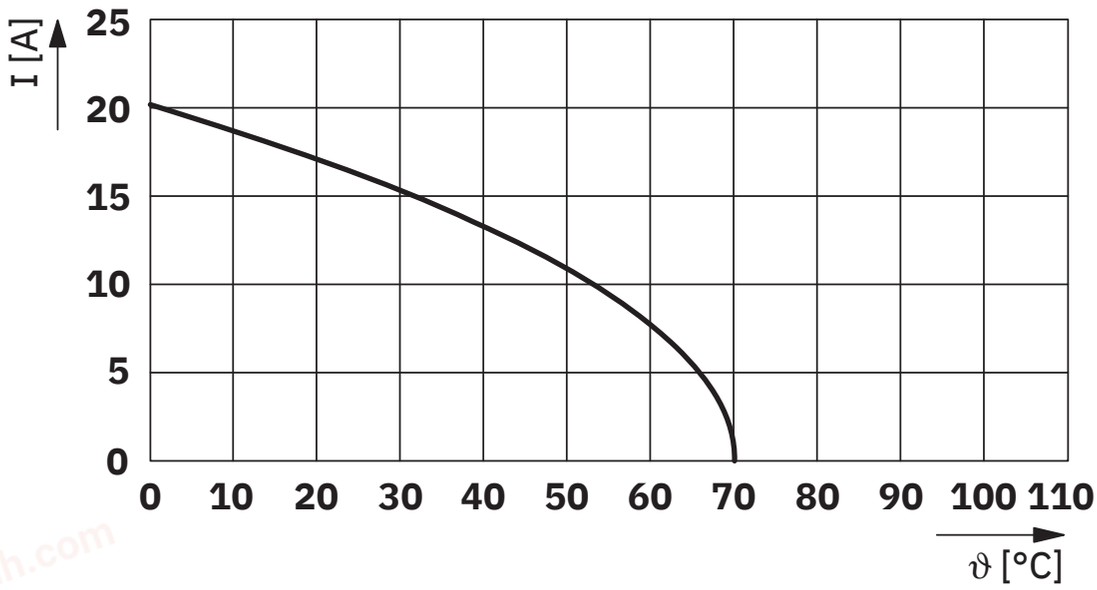
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Drawings

Dimensional drawing



Diagram



Derating diagram for cable, flexible installation

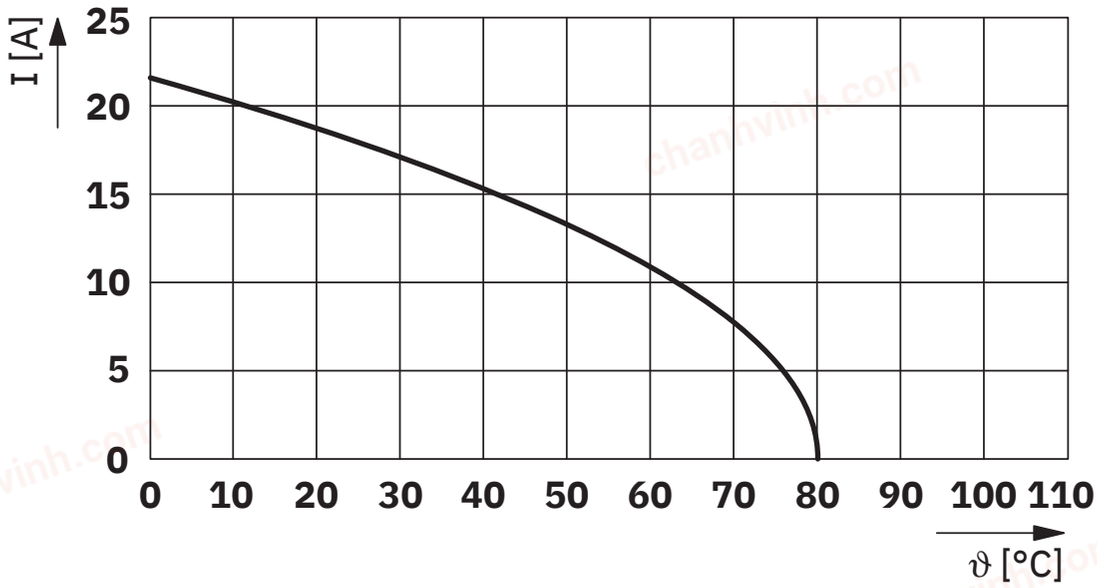
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Diagram



Derating diagram for cable, fixed installation

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Classifications

ECLASS

ECLASS-11.0	27440604
ECLASS-12.0	27440604
ECLASS-13.0	27440604

ETIM

ETIM 9.0	EC002587

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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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