

IPD PL 3P2,5 M A1,0 PVC GY - Connecting cable



1526862

<https://www.phoenixcontact.com/us/products/1526862>

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Connecting cable/ Push-lock connection, number of positions: 2+PE, Pin, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm², 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 | 1526862 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF51 |
| Product key | AF6NAA |
| GTIN | 4063151996543 |
| Weight per piece (including packing) | 202.7 g |
| Weight per piece (excluding packing) | 202.7 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |

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Technical data

Product properties

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

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

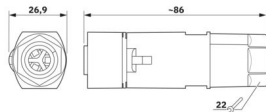
| | |
|-----------------------------|---|
| Rated surge voltage (III/3) | 6 kV |
| Rated current | 16 A (in accordance with IEC 61984) |
| Rated voltage (III/3) | 450 V (flexible installation) |
| | 500 V (Fixed, protected installation) |
| Nominal voltage U_N | 450 V AC/DC (flexible installation) |
| | 500 V AC/DC (Fixed, protected installation) |
| Nominal current I_N | 16 A (in accordance with IEC 61984) |

Connection data

Connection technology

| | |
|-------------------------------------|----------------------|
| Connection method On the field side | Push-lock connection |
|-------------------------------------|----------------------|

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 26.5 mm |
| Height | 26.9 mm |
| Length | 85.9 mm |

Material specifications

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

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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 | 9.6 mm |
| Position marking | L, N, PE |
| Single wire, color | brown L, blue N, green-yellow PE |
| Cable cross section | 2.5 mm ² |
| 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) |

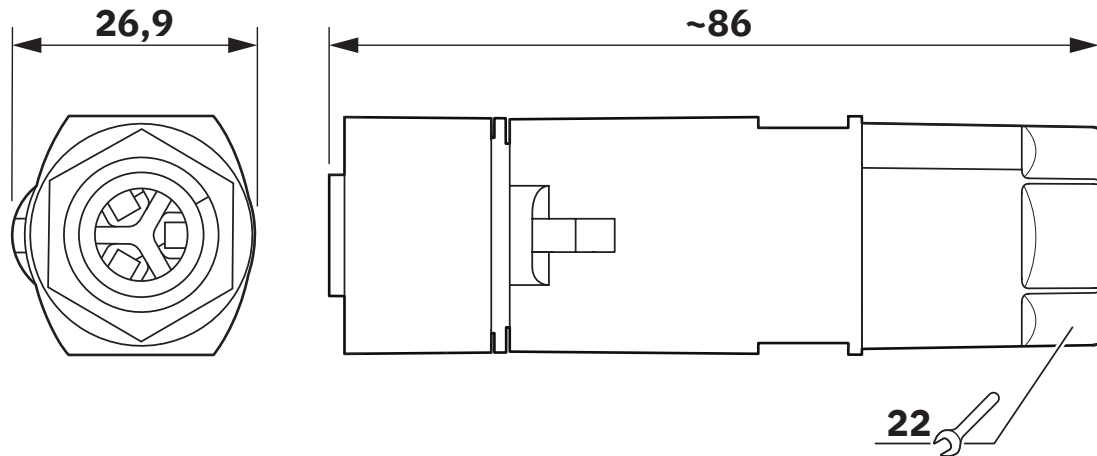
Environmental and real-life conditions

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) (Cable, flexible installation) | -5 °C ... 70 °C (Cable, flexible installation) |
| Ambient temperature (operation) (Cable, fixed installation) | -30 °C ... 80 °C (cable, fixed installation) |
| Ambient temperature (operation) | -30 °C ... 100 °C (Plug) |
| Temperature when conductor connected | -5 °C ... 50 °C |
| Resistance to UV radiation | no |

Drawings

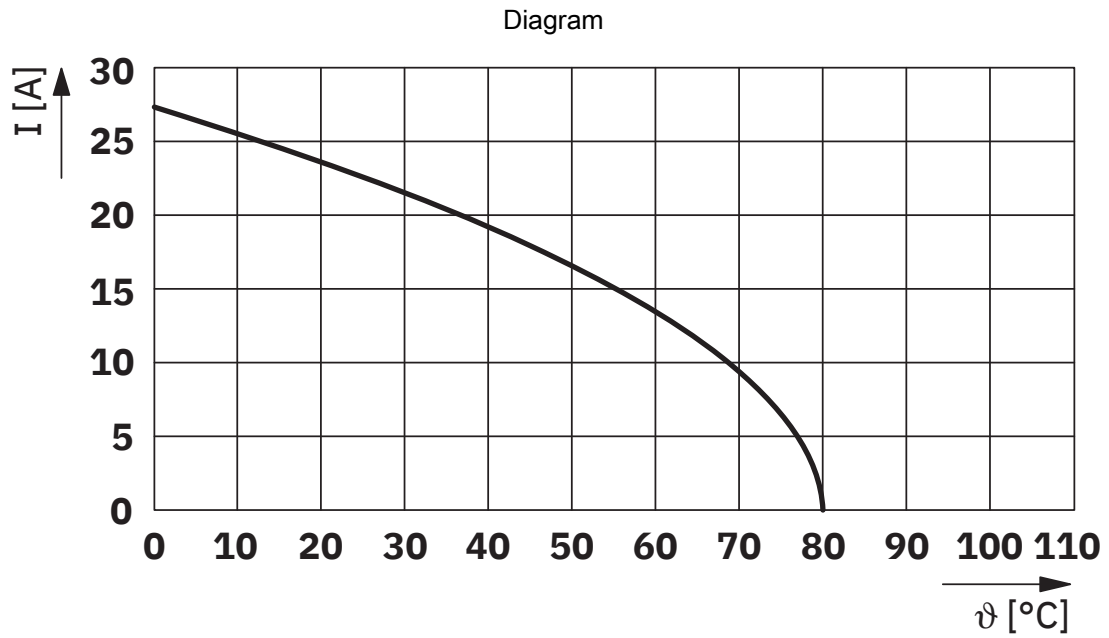
Dimensional drawing



Diagram



Derating diagram for cable, flexible installation



Derating diagram for cable, fixed installation

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440604 |
| ECLASS-15.0 | 27440604 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002587 |
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UNSPSC

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

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