

# IPD PL 3P2,5 F A5,0 PVC GY - Connecting cable



1526869

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Connecting cable/ Push-lock connection, number of positions: 2+PE, Socket, 450 V, 16 A, PA, light gray, coding: P, 2.5 mm<sup>2</sup>, cable length: 5 m, Socket 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                          | 1526869       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF51          |
| Product key                          | AF6NAA        |
| GTIN                                 | 4063151995362 |
| Weight per piece (including packing) | 817.3 g       |
| Weight per piece (excluding packing) | 817.3 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

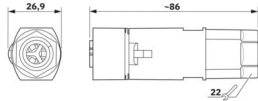
|                             |   |
|-----------------------------|---|
| Rated surge voltage (III/3) | 6 kV  |
| Rated current               | 16 A (in accordance with IEC 61984)         |
| Rated voltage (III/3)       | 450 V (flexible installation)               |
|                             | 500 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 |
| Frequency of connections between conductors of the same cross section | max. 10              |

### 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                   |

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|                          |          |
|--------------------------|----------|
| Contact material         | Cu       |
| Contact surface material | Ni/Ag/Sn |

## Cable/line

|   |  |
|---|--|
| Cable length  | 5 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 <sup>2</sup>  |
| 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)<br>-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   |

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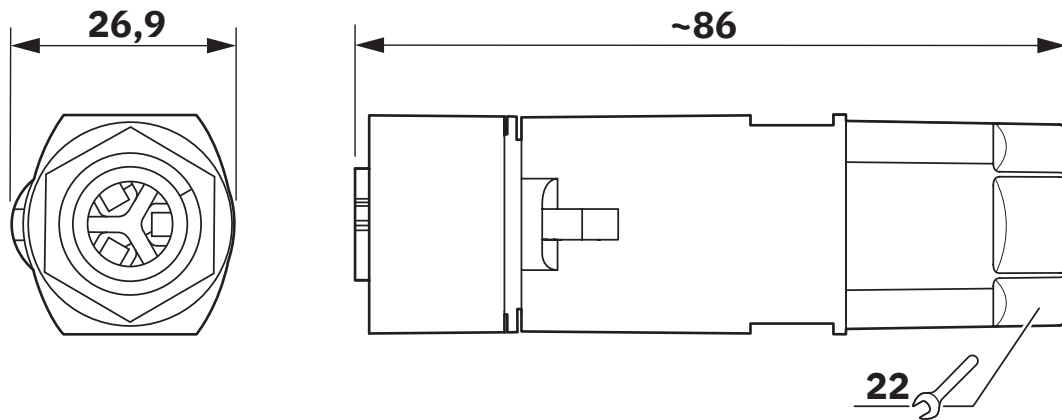


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## Drawings

Dimensional drawing



Diagram



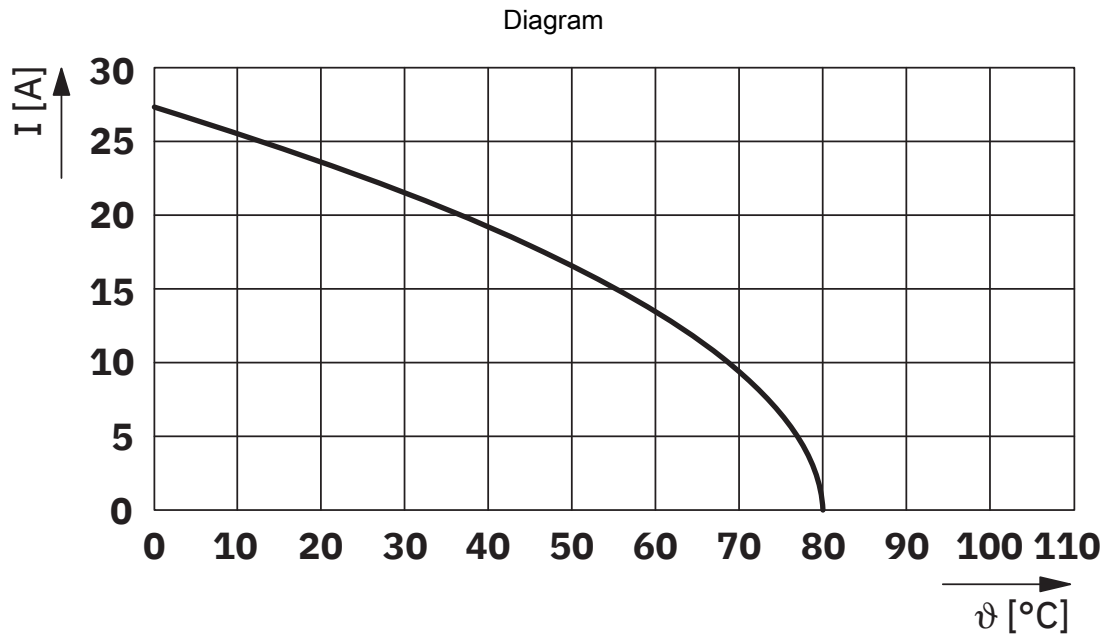
Derating diagram for cable, flexible installation

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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 |
|-----------|----------|

### 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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