

IPD PL 5P2,5 F BK - Connector



1088670

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Connector, connection method: Push-lock connection, number of positions: 4+PE, Socket, 0.5 mm² ... 2.5 mm², 600 V, 17.5 A, PA, black, coding: P, external cable diameter: 7 mm ... 11 mm and 11 mm ... 16 mm

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	1088670
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	AF6JCA
GTIN	4055626890876
Weight per piece (including packing)	78.6 g
Weight per piece (excluding packing)	22.22 g
Country of origin	DE

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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.

Product properties

Product type	Installation connector
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	17.5 A
Rated voltage (III/3)	600 V
Nominal voltage U_N	600 V AC 600 V DC
Nominal current I_N	17.5 A

Connection data

Connection technology

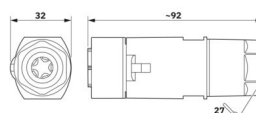
Connection method On the field side	Push-lock connection
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Conductor connection

Conductor cross section flexibel	0.5 mm ² ... 2.5 mm ²
Conductor cross section solid	0.5 mm ² ... 2.5 mm ²
Conductor cross section with ferrule	0.5 mm ² ... 2.5 mm ²
Connection cross section AWG	20 ... 14

Dimensions

Dimensional drawing



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Width	32.5 mm
Height	32.1 mm
Length	91.6 mm

Material specifications

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

Cable/line

External cable diameter	7 mm ... 11 mm
	11 mm ... 16 mm
Position marking	1, 2, 3, N, PE

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
	Touch-proof when not plugged in (IP2X)
Impact strength	IK07
Ambient temperature (operation)	-30 °C ... 100 °C
Temperature when conductor connected	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-30 °C ... 100 °C
Resistance to UV radiation	yes

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