PRC 3-FC-MS6 12-16 - Connector

1014529

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Connector, Range of articles: PRC 35, housing material: PPE, color: black, number of positions: 3, min. conductor cross-section: 1.5 mm^2, max. conductor cross-section: 6 mm^2, rated voltage: 690 V AC, rated current: 35 A, Connection method: Screw connection, min. cable diameter: 12 mm, max. cable diameter: 16 mm

Your advantages

- Up to 75% smaller in size than industrial connectors with the same rating
- Locking mechanism can be unlocked manually or using a tool
- Suitable for applications in atmospheres containing salt and in direct sunlight
- Ideal for indoor and outdoor use due to weatherproof materials

Commercial data

Item number	1014529
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB03
Product key	ABLCBA
GTIN	4055626494364
Weight per piece (including packing)	81 g
Weight per piece (excluding packing)	81 g
Customs tariff number	85366990
Country of origin	PL

Technical data

Product properties

Product type	Installation connector
Product family	PRC 35
Number of positions	3
Connection profile	2+PE
Coding	AD

Insulation characteristics

Protection class	II
Degree of pollution	2

Electrical properties

Rated voltage (III/2)	690 V
Rated voltage	690 V AC in accordance with IEC 61984
	500 V AC in accordance with IEC 61535/2 PfG 1915
	600 V AC In accordance with UL 2238
Rated surge voltage (III/2)	8 kV
Rated current	35 A (With 6 mm² conductor cross-section in accordance with IEC 61984)
	32 A (With 6 mm² conductor cross-section in accordance with IEC 61535)
	32 A (with AWG 10, in accordance with UL 2237)

Connection data

Connection technology

Connection method	Screw connection

Conductor connection

Conductor cross-section	1.5 mm² ... 6 mm²

Dimensions

Width	37.6 mm
Height	37.6 mm
Length	105 mm

External dimensions

Outside diameter	12 mm ... 16 mm

Material specifications

Color (Housing)	black (RAL 9005)
Color of the housing part	black
Flammability rating according to UL 94	V0
Seal material	EPDM

Housing material	PPE
Cable seal material	EPDM
Contact material	Cu alloy
Contact surface material	silver-plated
Contact carrier material	PPE
O-ring material	EPDM
Material for screw connection	PPE

Cable/line

External cable diameter	12 mm ... 16 mm
External cable diameter	12 mm ... 16 mm
Single wire, cross section	1.5 mm² 6 mm²
Halogen-free	yes

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	2000

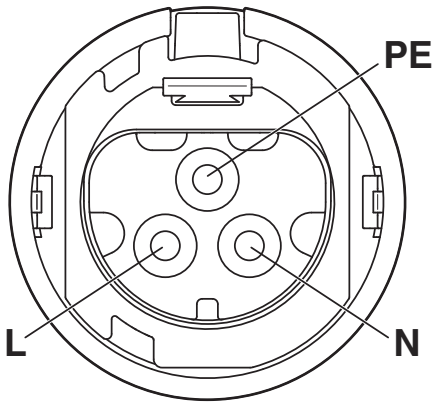
Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP66/IP68 (2 m / 24 h) IP69K
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	IP66/IP68 (2 m / 24 h) IP69K
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 105 °C (Depending on the current carrying capacity/derating curve)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

Drawings

Schematic diagram



Connector pin assignment

Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 9.0	EC002560

UNSPSC

UNSPSC 21.0	39121400

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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