PRC 3-HEAD-FS6-1 - Contact carrier

1070198

https://www.phoenixcontact.com/in/products/1070198

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Contact carrier, Range of articles: PRC 35, design: Release with tool or by hand (see accessories), 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, Contact connection type: Socket, Contact insert without connector housing. Please order the appropriate connector housings according to the accessories list.

Your advantages

- Versatile interfaces with straight and angled connector housings
- Universal accommodation of existing connector heads with screw connection technology
- Modular system for optimized storage
- Locking mechanism can be unlocked manually or using a tool
- Ideal for indoor and outdoor use due to weatherproof materials

Commercial data

Item number	1070198
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	ABLCBA
GTIN	4055626749112
Weight per piece (including packing)	43.3 g
Weight per piece (excluding packing)	41.1 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

Order information:	Contact insert without connector housing. Please order the appropriate connector housings according to the accessories list.
Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Contact insert
Product family	PRC 35
Type	Release with tool or by hand (see accessories)
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
Nominal voltage ATD	690 V AC (III/2.00) in accordance with IEC 61984
	600 V AC (III/2.00)
	500 V DC (III/2.00) in accordance with IEC 61535, when mounted
Rated surge voltage (III/2)	8 kV
Rated current	35 A (With 6 mm² conductor cross section in accordance with IEC 61984)
	35 A (with AWG 10, in accordance with UL 2237)
	32 A (With 6 mm² conductor cross section in accordance with IEC 61535)

Connection data

Connection method	Screw connection
Tightening torque	... 1 Nm
Conductor cross section flexible	4 mm² ... 6 mm²
Conductor cross section rigid	1.5 mm² ... 6 mm²

Dimensions

Width	35.9 mm
Height	34.5 mm
Length	51.2 mm

Material specifications

Color	black

Color of the housing part	black
Material Seal	EPDM (Housing seal)
Material Contact carrier	PPE
Material Contact	CuZn (Contact material, Pb < 0.1)
Flammability rating according to UL 94	V0
Insulating material group	I / CTI 600
Housing material	PPE
Contact material	Cu alloy
Contact surface material	silver-plated
O-ring material	EPDM

Cable/line

Single wire, cross section	1.5 mm² 6 mm²
Stripping length of the individual wire	12 mm (Lay PE conductor 8 mm leading)
Halogen-free	yes

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	2000 (Test specification: IEC 60512-13-2)

Environmental and real-life conditions

Ambient conditions

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

Drawings

Schematic diagram

PE

A

N

D

L
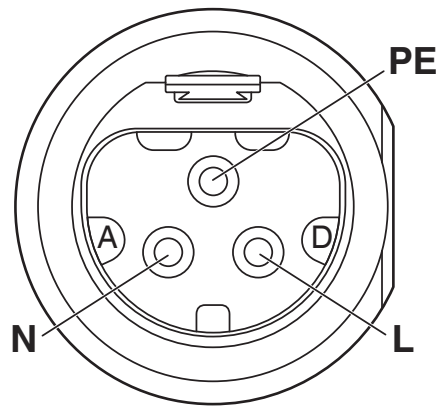
Connector pin assignment

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1070198

cUL Recognized
Approval ID: E468743-20200116

UL Recognized
Approval ID: E468743-20200116

VDE approval of drawings
Approval ID: 40054228

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	320 V	32 A	-	-

VDE approval of drawings
Approval ID: 40054231

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	690 V	35 A	-	-

cULus Recognized

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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440605

ETIM

ETIM 9.0	EC003569

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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Mandatory accessories

PRC FT25-0-HSG - Device connector front mounting

1065795

https://www.phoenixcontact.com/in/products/1065795

Device connector front mounting, Range of articles: PRC 35, color: black, rated voltage: 690 V AC, Connector housing without contact insert. Please order the appropriate contact inserts according to the accessories list

PRC FC-45/90-HSG 8-21 - Connector housing

1065798

https://www.phoenixcontact.com/in/products/1065798

Connector housing, Range of articles: PRC 35, color: black, rated voltage: 690 V AC, min. cable diameter: 8 mm, max. cable diameter: 21 mm, Connector housing without contact insert. Please order the appropriate contact inserts according to the accessories list

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PRC FT25-45/90-HSG - Device connector front mounting

1065796

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Device connector front mounting, Range of articles: PRC 35, color: black, rated voltage: 690 V AC, Connector housing without contact insert. Please order the appropriate contact inserts according to the accessories list

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PRC COVER F - Protective cap

1409236

https://www.phoenixcontact.com/in/products/1409236

Protective cap, Range of articles: PRC 35, color: black, rated voltage: 1000, Suitable for couplings (FS)

SZF 1-0,6X3,5 - Screwdriver

1204517

https://www.phoenixcontact.com/in/products/1204517

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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SF-PH 1-80 S-VDE - Screwdriver

1212693

https://www.phoenixcontact.com/in/products/1212693

Screwdriver, crosshead PH (lasered), insulated, size: PH 1 x 80, 2-component handle, with non-slip grip

PRC FC RELEASE LATCH BU - Color coding

1002293

https://www.phoenixcontact.com/in/products/1002293

Color coding, Range of articles: PRC 35, If you are using the release latch, then the PRC approvals in accordance with IEC 61535 and 2PfG 1915 are not required

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PRC FC RELEASE LATCH GY - Color coding

1002292

https://www.phoenixcontact.com/in/products/1002292

Color coding, Range of articles: PRC 35, If you are using the release latch, then the PRC approvals in accordance with IEC 61535 and 2PfG 1915 are not required

PRC FC RELEASE LATCH GN - Color coding

1002290

https://www.phoenixcontact.com/in/products/1002290

Color coding, Range of articles: PRC 35, If you are using the release latch, then the PRC approvals in accordance with IEC 61535 and 2PfG 1915 are not required

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PRC FC RELEASE LATCH RD - Color coding

1125075

https://www.phoenixcontact.com/in/products/1125075

Color coding, Range of articles: PRC 35, If you are using the release latch, then the PRC approvals in accordance with IEC 61535 and 2PfG 1915 are not required

PRC FC RELEASE LATCH YE - Color coding

1125073

https://www.phoenixcontact.com/in/products/1125073

Color coding, Range of articles: PRC 35, If you are using the release latch, then the PRC approvals in accordance with IEC 61535 and 2PfG 1915 are not required

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