

PRC 5-HEAD-FS6-1 - Contact carrier

1070197

<https://www.phoenixcontact.com/us/products/1070197>



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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: 5, min. conductor cross section: 1.5 mm², max. conductor cross section: 6 mm², 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	1070197
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLCBA
GTIN	4055626748498
Weight per piece (including packing)	52.3 g
Weight per piece (excluding packing)	22.22 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	5
Connection profile	4+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, when mounted 600 V AC / DC (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 mm ² conductor cross section in accordance with IEC 61984) 28 A (with AWG 10, in accordance with UL 2237) 32 A (With 6 mm ² conductor cross section in accordance with IEC 61535)

Connection data

Connection method	Screw connection
Tightening torque	... 1 Nm
Conductor cross section flexible	4 mm ² ... 6 mm ²
Conductor cross section rigid	1.5 mm ² ... 6 mm ²

Dimensions

Width	35.9 mm
Height	34.5 mm
Length	51.2 mm

Material specifications

Color	black
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Color of the housing part	black
Material	EPDM (Housing seal)
	PPE (Contact carriers)
	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
Contact carrier material	PPE
O-ring material	EPDM

Cable/line

Single wire, cross section	1.5 mm ² 6 mm ² 14 AWG 10 AWG
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)
Insertion force	50 N ±10 N (Test specification: IEC 60512-13-2)

Environmental and real-life conditions

Ambient conditions	
Degree of protection (when plugged in)	IP66 / IP68 (2m / 24h) / IP69K (when mounted)
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

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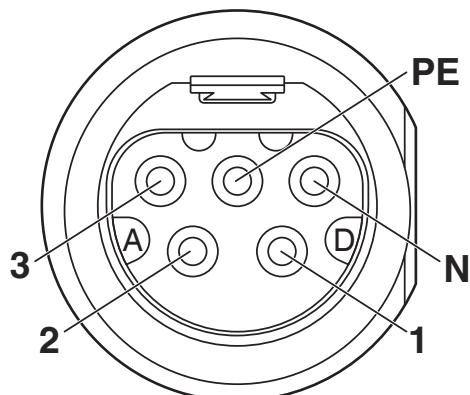


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Drawings

Schematic diagram



Connector pin assignment

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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1070197>



cUL Recognized

Approval ID: E468743-20200116



UL Recognized

Approval ID: E468743-20200116



VDE Zeichengenehmigung

Approval ID: 40054231

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



VDE Zeichengenehmigung

Approval ID: 40054228

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

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC003569
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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
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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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