

# PRC 3-HEAD-FS6-1 - Contact carrier



1070198

<https://www.phoenixcontact.com/us/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<sup>2</sup>, max. conductor cross-section: 6 mm<sup>2</sup>, rated voltage: 690 V AC, rated current: 35 A, Connection method: Screw connection, 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	AB03
Product key	ABLCBA
GTIN	4055626749112
Weight per piece (including packing)	43.3 g
Weight per piece (excluding packing)	28.925 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) in accordance with UL 2238/UL 2237, when mounted
	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 <sup>2</sup> conductor cross-section in accordance with IEC 61984)
	35 A (with AWG 10, in accordance with UL 2237)
	32 A (With 6 mm <sup>2</sup> conductor cross-section in accordance with IEC 61535)

### Connection data

Connection method	Screw connection
Tightening torque	... 1 Nm
Conductor cross-section flexible	4 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross-section rigid	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>

### Dimensions

Width	35.9 mm
Height	34.5 mm
Length	51.2 mm

### Material specifications

Color (Housing)	black (RAL 9005)
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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
Housing material	PPE
Contact material	Cu alloy
Contact surface material	silver-plated
O-ring material	EPDM

## Cable/line

Single wire, cross section	1.5 mm <sup>2</sup> 6 mm <sup>2</sup>
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)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66/IP68 (2 m / 24 h) IP69K (when mounted) IP66/IP68 (2 m / 24 h) 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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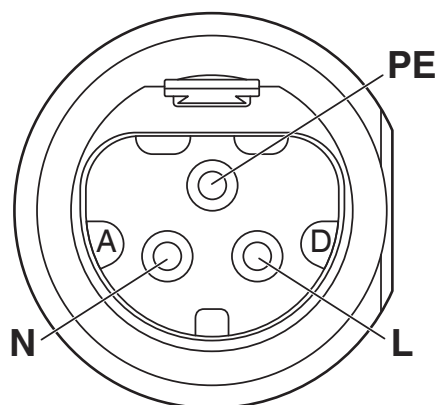
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## Drawings

Schematic diagram



Connector pin assignment

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## Approvals

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



**cUL Recognized**  
Approval ID: E468743-20200116



**UL Recognized**  
Approval ID: E468743-20200116



**VDE Zeichengenehmigung**  
Approval ID: 40054228

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	320 V	32 A	-	-



**VDE Zeichengenehmigung**  
Approval ID: 40054231

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	690 V	35 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

### ETIM

ETIM 10.0	EC002560
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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.)	Triphenyl phosphate(CAS: 115-86-6)
SCIP	1f654d32-803c-44e4-98b8-9b72ba263bbf

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