1070198

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Contact insert, Range of articles: PRC 35, Contact carrier, design: Release with tool or by hand (see accessories), housing material: PPE, color: black, number of positions: 3, 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	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)	41.1 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

lotes	
General	Contact insert without connector housing. Please order the appropriate connector housings according to the accessories list
General	For assembly notes, please refer to the packing slip
Safety note	
Safety note	WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	 WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	 Assembled products may not be manipulated or improperly opened.
	 Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	 When using the product in direct connection with third-party manufacturers, the user is responsible.
	 For operating voltages > 50 V AC, conductive connector housings must be grounded
	 Ensure that the protective or functional ground has been properly connected.
	VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
	 Observe the corresponding technical data. You will find information: o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product
	 Only use tools recommended by Phoenix Contact
	 The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	 Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	Operate the connector only when it is fully plugged in.
	 Operate the connector only when it is fully plugged in and interlocked.



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• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.

• Observe the minimum bending radius of the cable. Lay the cable without twisting it.

• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

Product properties

Туре	Release with tool or by hand (see accessories)		
Product type	Contact insert		
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
Nominal voltage ATD	690 V AC (III/2) in accordance with IEC 61984
	600 V AC (III/2)
	500 V DC (III/2) 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)
	35 A (with AWG 10, in accordance with UL 2237)
	32 A (With 6 mm ² conductor cross section in accordance with IEC 61535)

Dimensions

Width	35.9 mm
Height	34.5 mm
Length	51.2 mm

Material specifications

Color	black
Color of the housing part	black
Material	EPDM
	PPE
	CuZn
Flammability rating according to UL 94	VO
Insulating material group	I / CTI 600



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Contact material	Cu alloy
Contact surface material	silver-plated
Contact carrier material	PPE
O-ring material	EPDM
Housing material	PPE

Single wire, cross section1.5 mm² 6 mm²Stripping length of the individual wire12 mm (Lay PE conductor 8 mm leading)Halogen-freeyes

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)	
Ambient temperature (operation) Ambient temperature (storage/transport)	IP66 / IP68 (2m / 24h) / IP69K	
	-40 °C 105 °C (dependent on the derating curve)	
	-40 °C 70 °C	
Ambient temperature (assembly)	-5 °C 85 °C	

Mounting

Connection method

Screw connection



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Approvals

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1.4%	CUL Recognized Approval ID: E468743-20	0200116			
17	UL Recognized Approval ID: E468743-20	200116			
ERC	EAC Approval ID: B.01687				
•	VDE Zeichengeneh	migung			
	Approval ID: 40054228	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		320 V	32 A	-	-
	VDE Zeichengeneh Approval ID: 40054231	nmigung			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		690 V	35 A	-	-
cU	cULus Recognized				



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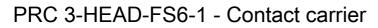
Classifications

ECLASS

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

ETIM

	ETIM 8.0	EC003569		
UN	UNSPSC			
	UNSPSC 21.0	39121400		



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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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