

# CK2,5-M-2,5 AG - Crimp contact



1409207

<https://www.phoenixcontact.com/us/products/1409207>

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Crimp contact, Range of articles: PRC 35, max. conductor cross section: 2.5 mm<sup>2</sup>, rated voltage: 690 V AC, rated current: 24 A, Connection method: Crimp connection, Contact connection type: Pin. Crimping recommendation: Crimp the conductors with the crimp contact in accordance with DIN EN 60352-2.

## Product description

Pin contact for PRC device connectors

## Your advantages

- Crimp contacts for PRC device connectors for assembly
- 3 variants for wire cross sections of 2.5 / 4.0 / 6.0 mm<sup>2</sup>

## Commercial data

Item number	1409207
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB03
Product key	ABLCEA
Catalog page	Page 77 (NTK-2014)
GTIN	4046356864367
Weight per piece (including packing)	2.08 g
Weight per piece (excluding packing)	2.068 g
Customs tariff number	85366990
Country of origin	DE

## Technical data

### Notes

General	Crimping recommendation: Crimp the conductors with the crimp contact in accordance with DIN EN 60352-2.
General	Please remove the crimping pliers locator
Safety note	
Safety note	<ul style="list-style-type: none"> <li>• <b>WARNING:</b> Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> <li>• <b>WARNING:</b> 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.</li> <li><b>WARNING:</b> The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</li> <li>• Assembled products may not be manipulated or improperly opened.</li> <li>• 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 <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a>).</li> <li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> <li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> <li>• Ensure that the protective or functional ground has been properly connected.</li> <li>• 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</li> <li>• Observe the corresponding technical data. You will find information:             <ul style="list-style-type: none"> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> <li>• Only use tools recommended by Phoenix Contact</li> <li>• The installation notes/Design In documents online on the download page at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> must be observed for this product.</li> <li>• 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 <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a></li> <li>• Operate the connector only when it is fully plugged in.</li> <li>• Operate the connector only when it is fully plugged in and interlocked.</li> </ul>

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	<ul style="list-style-type: none"><li>• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li></ul>
	<ul style="list-style-type: none"><li>• Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li></ul>
	<ul style="list-style-type: none"><li>• 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).</li></ul>

## Product properties

Product type	Crimp contact
Product family	PRC 35

### Insulation characteristics

Protection class	II
Degree of pollution	2

## Connection data

Connection method	Crimp connection
Contact connection type	Pin

## Material specifications

Material	CuZn
Flammability rating according to UL 94	V0
Contact material	Cu alloy
Contact surface material	Ag

## Dimensions

Width	6 mm
Height	6 mm
Length	31 mm

## Electrical properties

Nominal voltage ATD	690 V AC in accordance with IEC 61984
	600 V AC In accordance with UL 2238
Rated current	24 A (in accordance with IEC 61984)
	20 A (in accordance with IEC 61535)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	100 (Test specification: IEC 60512-13-2)
Insertion force	10 N (Test specification: IEC 60512-13-2)

## Environmental and real-life conditions

### Ambient conditions

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Ambient temperature (assembly)

5 °C ... 85 °C

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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

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

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