

# CK1,0-ED-1,0ST AU - Crimp contact



1409082

<https://www.phoenixcontact.com/us/products/1409082>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Crimp contact, Range of articles: VARIOCON, min. conductor cross section: 0.14 mm<sup>2</sup>, max. conductor cross section: 1 mm<sup>2</sup>, Connection method: Crimp connection, Contact connection type: Pin. For HC-MOT-AFL-SET

## Commercial data

Item number	1409082
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB01
Product key	ABLADE
Catalog page	Page 53 (C-2-2013)
GTIN	4046356619400
Weight per piece (including packing)	0.342 g
Weight per piece (excluding packing)	0.3 g
Customs tariff number	85389099
Country of origin	DE

## Technical data

### Notes

General	For HC-MOT-AFL-SET
Safety note	<p data-bbox="847 618 1449 701">WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p> <ul style="list-style-type: none"> <li data-bbox="847 719 1430 824">• 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.</li> <li data-bbox="847 842 1469 1037">• 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.</li> <li data-bbox="847 1055 1437 1106">• The products are suitable for applications in plant, controller, and electrical device engineering.</li> <li data-bbox="847 1124 1449 1176">• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.</li> <li data-bbox="847 1193 1426 1245">• Assembled products may not be manipulated or improperly opened.</li> <li data-bbox="847 1263 1449 1341">• 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 data-bbox="847 1359 1430 1411">• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> <li data-bbox="847 1429 1398 1480">• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> <li data-bbox="847 1498 1398 1550">• Ensure that the protective or functional ground has been properly connected.</li> <li data-bbox="847 1568 1461 1646">• 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 data-bbox="847 1664 1417 1830">• Observe the corresponding technical data. You will find information:             <ul style="list-style-type: none"> <li data-bbox="847 1718 1011 1744">o On the product</li> <li data-bbox="847 1749 1062 1776">o On the packing label</li> <li data-bbox="847 1780 1153 1807">o In the supplied documentation</li> <li data-bbox="847 1812 1417 1839">o Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> <li data-bbox="847 1848 1337 1874">• Only use tools recommended by Phoenix Contact</li> <li data-bbox="847 1892 1406 1968">• 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 data-bbox="847 1986 1449 2065">• 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 data-bbox="847 2083 1374 2110">• Operate the connector only when it is fully plugged in.</li> </ul>

# CK1,0-ED-1,0ST AU - Crimp contact

1409082

<https://www.phoenixcontact.com/us/products/1409082>

	<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><li>• Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li><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	VARIOCON
Contact material type	turned

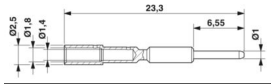
## Connection data

Connection method	Crimp connection
Contact connection type	Pin
Connection technology	Crimp connection
Conductor cross section	0.14 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Connection cross section AWG	26 ... 18
Stripping length of the individual wire	4.5 mm

## Material specifications

Contact material	CuZn
Contact surface material	gold-plated

## Dimensions

Dimensional drawing	
Width	2.5 mm
Height	2.5 mm
Length	20.8 mm

## Mechanical characteristics

Contact diameter	1 mm
------------------	------

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
---------------------------------	-------------------

# CK1,0-ED-1,0ST AU - Crimp contact



1409082

<https://www.phoenixcontact.com/us/products/1409082>

## Classifications

### ECLASS

ECLASS-11.0	27440204
ECLASS-12.0	27440204
ECLASS-13.0	27440204

### ETIM

ETIM 9.0	EC000796
----------	----------

### UNSPSC

UNSPSC 21.0	39121500
-------------	----------

# CK1,0-ED-1,0ST AU - Crimp contact



1409082

<https://www.phoenixcontact.com/us/products/1409082>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)