

# CK9,5P-ED-70,00M AG - Crimp contact



1682086

<https://www.phoenixcontact.com/us/products/1682086>

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Crimp contact, series: HC-M-...-70, Pin, turned, contact diameter: 9.5 mm, rated current: 200 A, connection cross section: 70 mm<sup>2</sup> ... 70 mm<sup>2</sup>, AWG 2/0...2/0, contact material: Cu alloy

## Commercial data

Item number	1682086
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF65
Product key	AF7AIH
GTIN	4067923236295
Weight per piece (including packing)	41.2 g
Weight per piece (excluding packing)	41 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

Notes on the product family	HC-M-...-70 contact carrier
Note on application	The quality of a crimp connection is determined by DIN EN 60352-2.
Assembly note	The contacts are qualified for crimping dies in accordance with DIN 46235. Klauke, for example, offers an appropriate tool: Crimping dies from the D22 series are required for the EKM6022 battery-powered hydraulic crimping pliers. Due to the narrow crimping width of 5 mm, it is very important to make two compressions next to one another. For the EK12042 model, crimping dies from the HD13 series are required. Due to a wider crimping process, only one compression is required.
Note on application	<p>Note on crimp connection technology:</p> <p>For flexible wires only. The specified conductor cross-sections refer to the nominal cross-section of the cable used.</p> <p>The wiring space of the crimp connection technology is designed for fine-stranded cables in accordance with VDE 0295 Class 5. Deviating cable structures (e.g., Class 1.2 and 6 or AWG cables) should be checked before use.</p>

### Product properties

Product type	Crimp contact
Series	HC-M-...-70
Contact material type	turned

### Connection data

#### Connection technology

Contact connection type	Pin
Connection method	Crimp connection

#### Conductor connection

Stripping length	22.5 mm
Connection cross section	70 mm <sup>2</sup> ... 70 mm <sup>2</sup>
Connection cross section AWG	2/0 ... 2/0

### Material specifications

Material Contact	Cu alloy (lead-free)
Material Contact surface	Ag

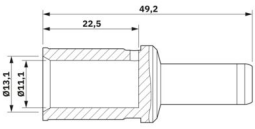
### Dimensions

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Dimensional drawing	
Length [l]	49.2 mm
Diameter (Contact diameter)	9.5 mm

## Electrical properties

Rated current	200 A (Take into account the derating of the contact insert used. The rated current corresponds to the maximum possible connection cross-section.)
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 500
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## Environmental and real-life conditions

### Ambient conditions

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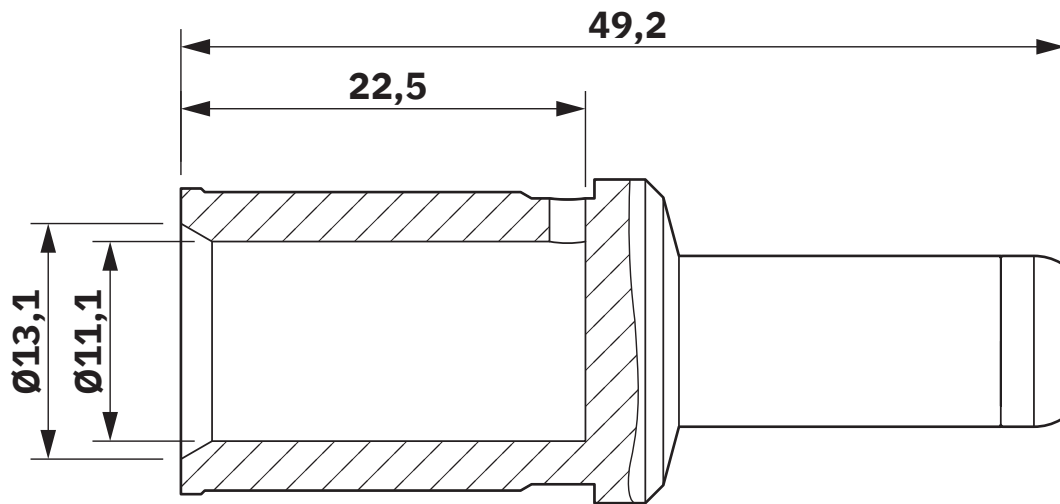


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## Drawings

Dimensional drawing



Dimensional drawing

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## Classifications

### ECLASS

ECLASS-13.0	27440204
ECLASS-15.0	27440204

### ETIM

ETIM 10.0	EC000796
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### UNSPSC

UNSPSC 21.0	39121500
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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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