

CK1,6-ED-0,50BU AG - Crimp contact



1663404

<https://www.phoenixcontact.com/pc/products/1663404>

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Crimp contact, series: HC-M-12, Socket, turned, contact diameter: 1.6 mm, rated current: 10 A, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20...20 , contact material: Cu alloy

Commercial data

Item number	1663404
Packing unit	100 pc
Minimum order quantity	100 pc
Product key	AF7AIA
GTIN	4017918123215
Weight per piece (including packing)	0.733 g
Weight per piece (excluding packing)	0.692 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Note on application	for HC-M-12, HC-M-17, HC-M-03/04, HC-M-EMV, HC-D, HC-DD, HC-Q, and VC-D contact carriers
Note on application	The quality of a crimp connection is determined by DIN EN 60352-2.
Notes on the product family	For voltages less than 5 V and currents less than 5 mA, gold-plated contacts are recommended.
Notes on connection	Note on crimp connection technology: For flexible wires only. The specified conductor cross-sections refer to the nominal cross-section of the cable used. 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.

Product properties

Product type	Crimp contact
Series	HC-M-12
	HC-M-EMV
	HC-D
	HC-DD
	VC-D
	HC-M-03/04
	HC-M-17
	HC-K
	HC-Q
	HC-COM
	HC-M-42
	HC-M-08-MBIT
Contact material type	turned

Connection data

Connection technology	
Contact connection type	Socket
Connection method	Crimp connection
Conductor connection	
Stripping length	8 mm
Connection cross section	0.5 mm ² ... 0.5 mm ²
Connection cross section AWG	20 ... 20

Material specifications

Material Contact	Cu alloy
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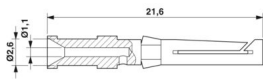


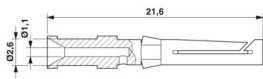
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Material Contact surface	Ag
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Dimensions

Dimensional drawing	
Diameter (Contact diameter)	1.6 mm



Electrical properties

Rated current	10 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

Environmental and real-life conditions

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

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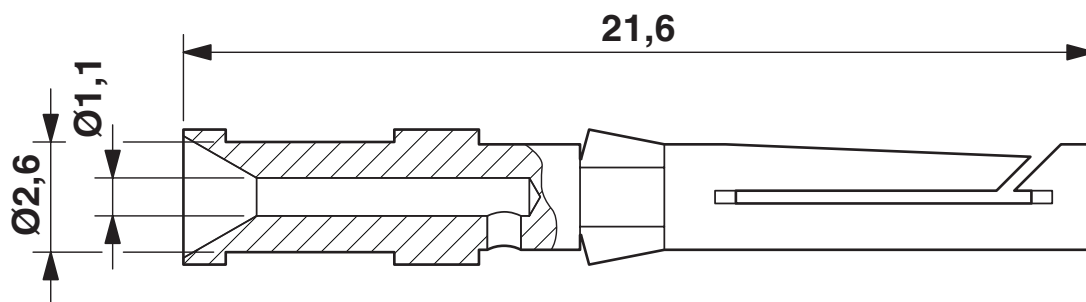
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Drawings

Dimensional drawing



Dimensional drawing

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Approvals

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EAC

Approval ID: RU C-DE.AI30.B.01102

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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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EF3.1 Climate Change

CO2e kg	0.035 kg CO2e
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