

CK1,6-ED-2,50BU AG - Crimp contact



1663446

<https://www.phoenixcontact.com/us/products/1663446>

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Crimp contact, series: HC-M-12, Socket, turned, contact diameter: 1.6 mm, rated current: 10 A, connection cross section: 2.5 mm² ... 2.5 mm², AWG 14...14, contact material: Cu alloy

Commercial data

Item number	1663446
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	BF65
Product key	AF7AIA
GTIN	4017918123253
Weight per piece (including packing)	0.689 g
Weight per piece (excluding packing)	0.677 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	<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-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	
Contact material type	turned

Connection data

Connection technology

Contact connection type	Socket
Connection method	Crimp connection

Conductor connection

Stripping length	6 mm
Connection cross section	2.5 mm ² ... 2.5 mm ²
Connection cross section AWG	14 ... 14

Material specifications

Material Contact	Cu alloy
Material Contact surface	Ag

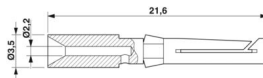
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Dimensions

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
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Environmental and real-life conditions

Ambient conditions

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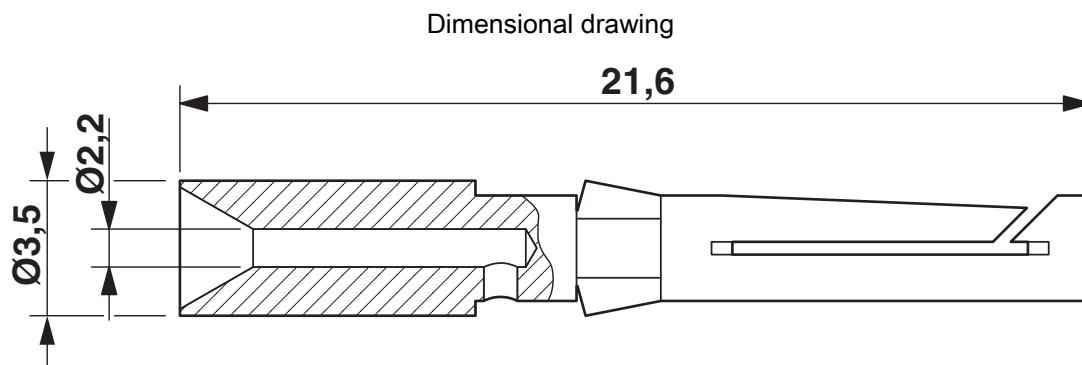
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Drawings



Dimensional drawing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1663446>



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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