CK9,5-ED-120,00F AG - Crimp contact

1682071

https://www.phoenixcontact.com/us/products/1682071

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Crimp contact, series: HC-M-...-120, Socket, turned, contact diameter: 9.5 mm, rated current: 300 A, connection cross section: 120 mm^2 ... 120 mm^2, AWG 4/0...4/0 , contact material: Cu alloy

Commercial data

Item number	1682071
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF65
Product key	AF7AIH
GTIN	4067923237001
Weight per piece (including packing)	55.8 g
Weight per piece (excluding packing)	55 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Notes on the product family	HC-M-...-120 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 HD13 series are required for the EK12042 battery-powered hydraulic crimping pliers. Due to a wider crimping process, only one compression is required.
Note on application	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-...-120
Contact material type	turned

Connection data

Connection technology

Contact connection type	Socket
Connection method	Crimp connection

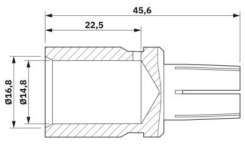
Conductor connection

Stripping length	22.5 mm
Connection cross section	120 mm² ... 120 mm²
Connection cross section AWG	4/0 ... 4/0

Material specifications

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

Dimensions

Dimensional drawing	
Length [l]	45.6 mm

Diameter (Contact diameter)	9.5 mm

Electrical properties

Rated current	300 A (Take into account the derating of the contact insert used. The rated current corresponds to the maximum possible connection cross-section.)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500

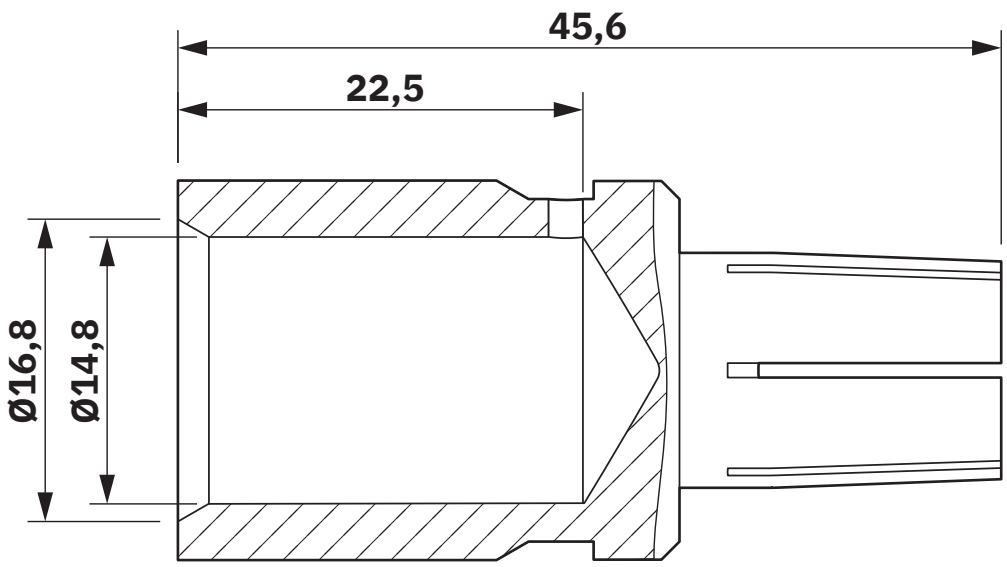
Environmental and real-life conditions

Ambient conditions

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

Drawings

Dimensional drawing



Dimensional drawing

Classifications

ECLASS

ECLASS-13.0	27440204
ECLASS-15.0	27440204

ETIM

ETIM 10.0	EC000796

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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