

AI 1 -10 RD - Ferrule

3200182

<https://www.phoenixcontact.com/us/products/3200182>



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.



Ferrule, Length contact range: 10 mm, sleeve length: 16 mm, color: red

Your advantages

- The insulation reliability of close connections is increased and the splicing of wires is prevented
- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper

Commercial data

Item number	3200182
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	BH34
Product key	BH3411
GTIN	4017918093839
Weight per piece (including packing)	0.112 g
Weight per piece (excluding packing)	0.106 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

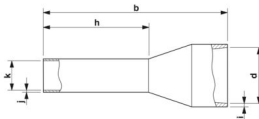
Product type	Cable end sleeve
Conductor category	stranded conductors, class 2, 5, 6 / B, C, K, M
Product property	UL certified
	Made from soft tin-plated electrolytic copper
	Correspond to the requirements of DIN 46228-1 and UL 486F in terms of size
	Plastic collar made of polypropylene
	Halogen-free
	Long/short-term temperature: +105°C/+120°C

Connection data

Conductor connection

Conductor cross-section flexible max.	1 mm ²
Conductor cross-section AWG max.	18
Stripping length	13 mm

Dimensions

Dimensional drawing	
Sleeve length	16 mm
Length contact range	10 mm
Maximum stripping length	13 mm
Ferrule diameter	1.5 mm
Sleeve wall thickness	0.15 mm
Insulating collar thickness	0.3 mm
Inner dimensions of the insulating collar	3 mm

Material specifications

Color	red (RAL 3001)
Material	CU-DHP
Flammability rating according to UL 94	HB
Coating	galvanically tin-plated
Surface characteristics	Tin-plated
Components	free from silicone and halogen

Mechanical properties

Technical data

AI 1 -10 RD - Ferrule



3200182

<https://www.phoenixcontact.com/us/products/3200182>

Sleeve length	16 mm
---------------	-------

Environmental and real-life conditions

Ambient conditions

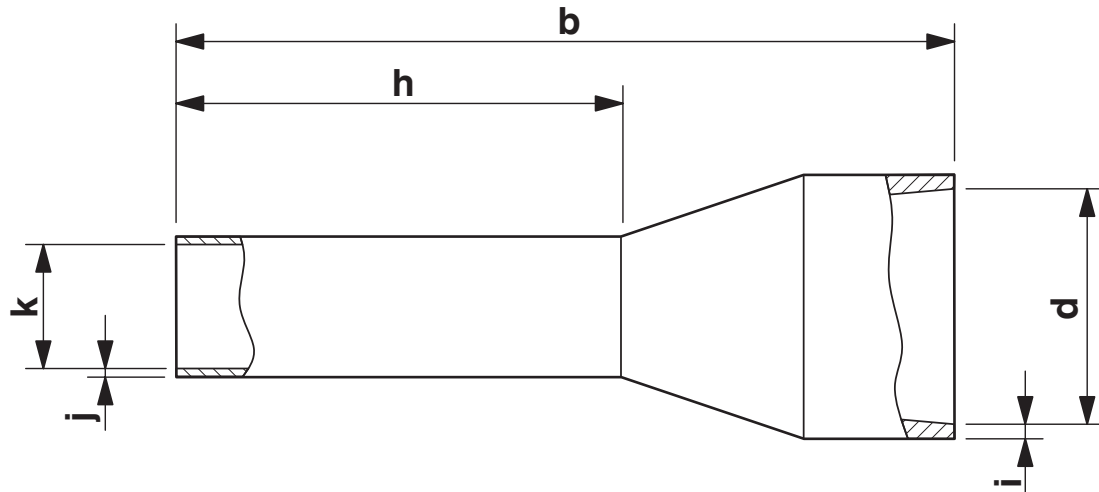
Permanent temperature	105 °C (-40 °C no load / 0 °C dynamic load)
Short-term temperature	120 °C

Standards and regulations

Design according to standard	DIN 46228-4, UL 486F-E, NFC 63-023
------------------------------	------------------------------------

Drawings

Dimensional drawing



Sleeve length (b), length contact range (h), insulating collar inner dimension (d), sleeve diameter (k), insulating collar thickness (i), sleeve wall thickness (j)

AI 1 -10 RD - Ferrule

3200182

<https://www.phoenixcontact.com/us/products/3200182>



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3200182>



cULus Listed

Approval ID: E488001

AI 1 -10 RD - Ferrule



3200182

<https://www.phoenixcontact.com/us/products/3200182>

Classifications

ECLASS

ECLASS-13.0	27400201
ECLASS-15.0	27400201

ETIM

ETIM 9.0	EC000005
----------	----------

UNSPSC

UNSPSC 21.0	27121700
-------------	----------

AI 1 -10 RD - Ferrule



3200182

<https://www.phoenixcontact.com/us/products/3200182>

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%

Phoenix Contact 2025 © - 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