

# AI 50 -20 BU - Ferrule

3200454

<https://www.phoenixcontact.com/us/products/3200454>



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: 20 mm, sleeve length: 36 mm, color: blue



## 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	3200454
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BH34
Product key	BH3411
GTIN	4017918094102
Weight per piece (including packing)	2.98 g
Weight per piece (excluding packing)	2.943 g
Customs tariff number	85369010
Country of origin	DE

## Technical data

### Product properties

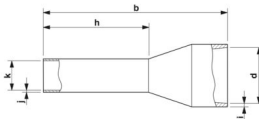
Product type	Cable end sleeve
Conductor category	stranded conductors, class 2, 5, 6 / B, C, K, M
Product property	UL certified
	Made from soft tin-plated electrolytic copper
	Correspond to the requirements of DIN 46228-4 and UL 486F in terms of size
	Plastic collar made of polypropylene
	Halogen-free
	Long/short-term temperature: +105°C/+120°C

### Connection data

#### Conductor connection

Conductor cross-section flexible max.	50 mm <sup>2</sup>
Conductor cross-section AWG max.	1/0
Stripping length	25 mm

### Dimensions

Dimensional drawing	
Sleeve length	36 mm
Length contact range	20 mm
Maximum stripping length	25 mm
Ferrule diameter	10.3 mm
Sleeve wall thickness	0.35 mm
Insulating collar thickness	0.6 mm
Inner dimensions of the insulating collar	15 mm

### Material specifications

Color	blue (RAL 5015)
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 50 -20 BU - Ferrule



3200454

<https://www.phoenixcontact.com/us/products/3200454>

Sleeve length	36 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 50 -20 BU - Ferrule

3200454

<https://www.phoenixcontact.com/us/products/3200454>



## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3200454>



**cULus Listed**

Approval ID: E488001

# AI 50 -20 BU - Ferrule



3200454

<https://www.phoenixcontact.com/us/products/3200454>

## Classifications

### ECLASS

ECLASS-13.0	27400201
ECLASS-15.0	27400201

### ETIM

ETIM 10.0	EC000005
-----------	----------

### UNSPSC

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

3200454

<https://www.phoenixcontact.com/us/products/3200454>

## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.029 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)