

# AI-XL 1,5- 8 BK - Ferrule

3201916

<https://www.phoenixcontact.com/us/products/3201916>

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Ferrule, Length contact range: 8 mm, sleeve length: 17.5 mm, color: black



The figure shows a version of the product

## Your advantages

- Previous methods of achieving correct conductor insulation are much more time consuming
- These ferrules can be used for short-circuit-proof cables

## Commercial data

Item number	3201916
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	BH34
Product key	BH341S
GTIN	4017918117368
Weight per piece (including packing)	0.238 g
Weight per piece (excluding packing)	0.238 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

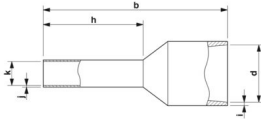
Product type	Cable end sleeve
Conductor category	stranded conductors, class 2, 5, 6 / B, C, K, M
Product property	Suitable for short-circuit-proof cables (NSGAFÖU) due to the significantly increased collar diameter
	UL certified
	Made from tin-plated electrolytic copper
	Design in accordance with UL 486F
	With "Easy Entry" (conical insertion area)
	Plastic collar made of polypropylene
	Halogen-free
	Long/short-term temperature: +105°C/+120°C

### Connection data

#### Conductor connection

Conductor cross-section flexible max.	1.5 mm <sup>2</sup>
Conductor cross-section AWG max.	16
Stripping length	13 mm

### Dimensions

Dimensional drawing	
Sleeve length	17.5 mm
Length contact range	8 mm
Maximum stripping length	13 mm
Ferrule diameter	1.8 mm
Sleeve wall thickness	0.15 mm
Insulating collar thickness	0.3 mm
Inner dimensions of the insulating collar	7 mm

### Material specifications

Color	black (RAL 9005)
Material	CU-DHP
Flammability rating according to UL 94	HB
Coating	galvanically tin-plated
Surface characteristics	Tin-plated
Components	free from silicone and halogen

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## Mechanical properties

### Technical data

Sleeve length	17.5 mm
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## Environmental and real-life conditions

### Ambient conditions

Optimum ambient temperature (storage/transport)	23.00 °C 50.00 % Storage in a dry and dark place in the original packaging is recommended
Permanent temperature	105 °C (-40 °C no load / 0 °C dynamic load)
Short-term temperature	120 °C

## Standards and regulations

Design according to standard	UL 486F-E, NF C 63-023
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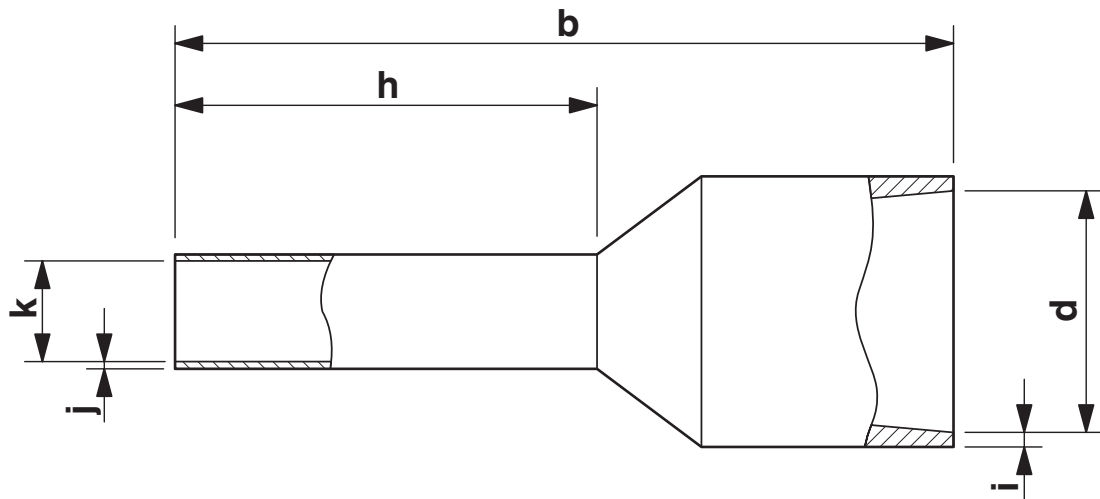
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## Drawings

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)

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3201916

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3201916>



**cULus Listed**

Approval ID: E488001

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## Classifications

### ECLASS

ECLASS-13.0	27400201
ECLASS-15.0	27400201

### ETIM

ETIM 10.0	EC000005
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### UNSPSC

UNSPSC 21.0	27121700
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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	0.006 kg CO2e
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