

# AI-XL 16 -12 BU - Ferrule



3201961  
<https://www.phoenixcontact.com/us/products/3201961>

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Ferrule, Length contact range: 12 mm, sleeve length: 25.5 mm, color: blue

## 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                          | 3201961       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | BH34          |
| Product key                          | BH341S        |
| GTIN                                 | 4017918117412 |
| Weight per piece (including packing) | 0.95 g        |
| Weight per piece (excluding packing) | 0.95 g        |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

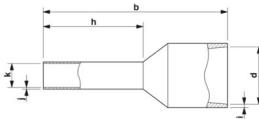
|                  |                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------|
| Product type     | Cable end sleeve                                                                                     |
| Product property | Suitable for short-circuit-proof cables (NSGAFÖU) due to the significantly increased collar diameter |
|                  | UL certified                                                                                         |
|                  | Made from soft tin-plated electrolytic copper                                                        |
|                  | Correspond to the requirements of UL 486F                                                            |
|                  | Plastic collar made of polypropylene                                                                 |
|                  | Halogen-free                                                                                         |
|                  | Long/short-term temperature: +105°C/+120°C                                                           |

### Connection data

#### Conductor connection

|                                       |        |
|---------------------------------------|--------|
| Conductor cross section flexible max. | 16 mm² |
| Conductor cross section AWG max.      | 6      |
| Stripping length                      | 18 mm  |

### Dimensions

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing                       |  |
| Sleeve length                             | 25.5 mm                                                                              |
| Length contact range                      | 12 mm                                                                                |
| Maximum stripping length                  | 18 mm                                                                                |
| Ferrule diameter                          | 6 mm                                                                                 |
| Sleeve wall thickness                     | 0.2 mm                                                                               |
| Insulating collar thickness               | 0.4 mm                                                                               |
| Inner dimensions of the insulating collar | 12.5 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

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|               |         |
|---------------|---------|
| Sleeve length | 25.5 mm |
|---------------|---------|

## 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 |
|------------------------------|-----------|

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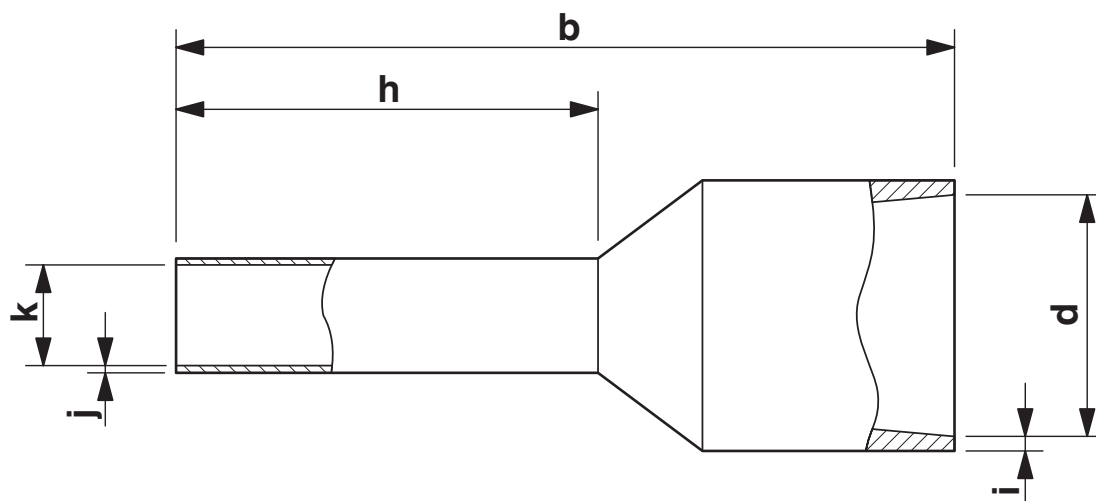
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## Drawings

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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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3201961>



**cULus Listed**

Approval ID: E488001

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27400201 |
| ECLASS-15.0 | 27400201 |

### ETIM

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

### UNSPSC

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

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## 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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