

# AI-XL 2,5-12 BU - Ferrule

3201987

<https://www.phoenixcontact.com/us/products/3201987>

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Ferrule, Length contact range: 12 mm, sleeve length: 21.5 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                          | 3201987       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | BH34          |
| Product key                          | BH341S        |
| GTIN                                 | 4017918125066 |
| Weight per piece (including packing) | 0.3 g         |
| Weight per piece (excluding packing) | 0.3 g         |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

## Technical data

### Product properties

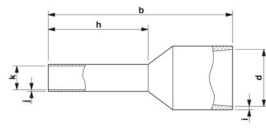
|                    |  |
|--------------------|--|
| Product type       | Cable end sleeve   |
| Conductor category | stranded conductors, class 2, 5, 6 / B, C, K, M  |
| Product property   | Suitable for short-circuit-proof cables (NSGAFÖU) due to the significantly increased collar diameter |
|                    | 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. | 2.5 mm <sup>2</sup> |
| Conductor cross-section AWG max.      | 14                  |
| Stripping length                      | 17 mm               |

### Dimensions

|   |  |
|---|--|
| Dimensional drawing                       |  |
| Sleeve length                             | 21.5 mm  |
| Length contact range                      | 12 mm  |
| Maximum stripping length                  | 17 mm  |
| Ferrule diameter                          | 2.3 mm   |
| Sleeve wall thickness                     | 0.15 mm  |
| Insulating collar thickness               | 0.3 mm   |
| Inner dimensions of the insulating collar | 7.9 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

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## Technical data

|               |         |
|---------------|---------|
| Sleeve length | 21.5 mm |
|---------------|---------|

## Environmental and real-life conditions

### Ambient conditions

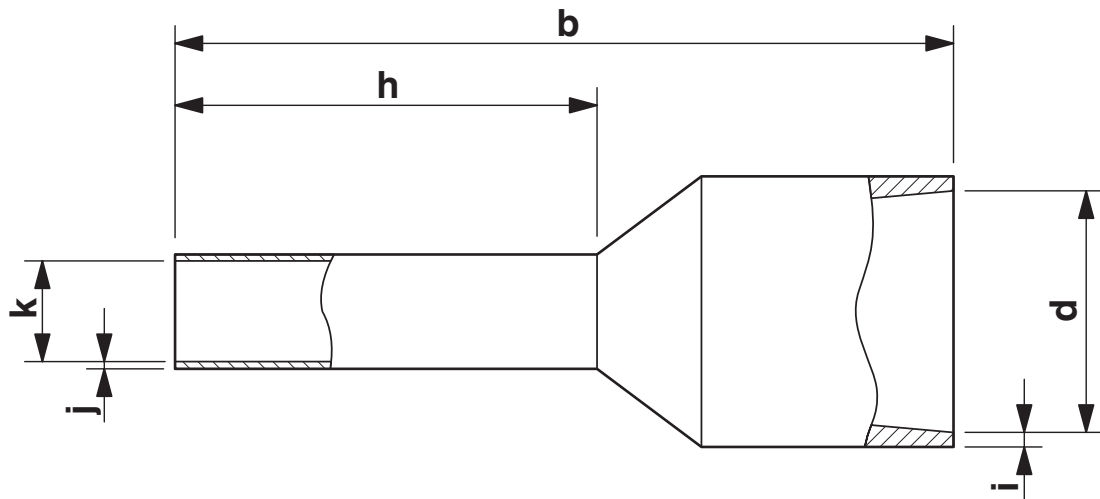
|   |   |
|---|---|
| Optimum ambient temperature (storage/transport) | 23.00 °C 50.00 % Storage in a dry and dark place in the original packaging is recommended |
| Permanent temperature                           | 105 °C (-40 °C no load / 0 °C dynamic load)   |
| Short-term temperature            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

## Standards and regulations

|                              |  |
|------------------------------|--|
| Design according to standard | Color code in accordance with DIN 46228-4, UL 486F-E |
|------------------------------|--|

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/3201987>



**cULus Listed**

Approval ID: E488001

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## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | 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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.008 kg CO2e |
|---------|---------------|

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