

# AI 16-18 BU-1000 - Ferrule

2100035

<https://www.phoenixcontact.com/pc/products/2100035>



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Ferrule, Length contact range: 18 mm, sleeve length: 28 mm, color: blue

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2100035       |
| Packing unit                         | 1,000 pc      |
| Minimum order quantity               | 4,000 pc      |
| Product key                          | BH3411        |
| GTIN                                 | 4067923213180 |
| Weight per piece (including packing) | 1.112 g       |
| Weight per piece (excluding packing) | 1.005 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   | 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. | 16 mm <sup>2</sup> |
| Conductor cross-section AWG max.      | 6                  |
| Stripping length                      | 22 mm              |

### Dimensions

|                                           |        |
|-------------------------------------------|--------|
| Dimensional drawing                       |        |
| Sleeve length                             | 28 mm  |
| Length contact range                      | 18 mm  |
| Maximum stripping length                  | 22 mm  |
| Ferrule diameter                          | 5.8 mm |
| Sleeve wall thickness                     | 0.2 mm |
| Insulating collar thickness               | 0.4 mm |
| Inner dimensions of the insulating collar | 8.8 mm |

### Material specifications

|                                        |                                |
|----------------------------------------|--------------------------------|
| Color                                  | blue (RAL 5015)                |
| 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

|               |       |
|---------------|-------|
| Sleeve length | 28 mm |
|---------------|-------|

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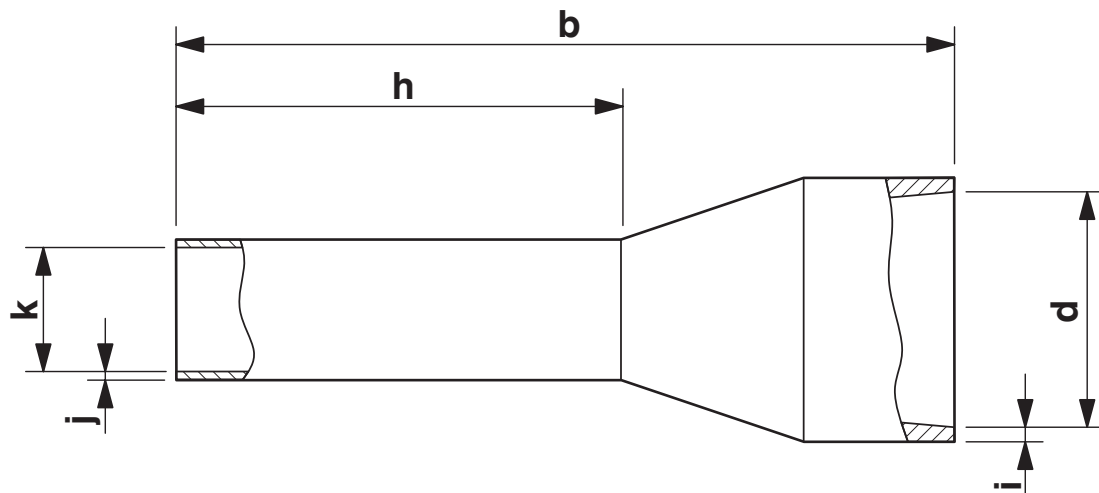
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## Standards and regulations

|                              |               |
|------------------------------|---------------|
| Design according to standard | Special color |
|------------------------------|---------------|

## 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/pc/products/2100035>



**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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## Accessories

### CRIMPFOX 25R - Crimping pliers

1212039

<https://www.phoenixcontact.com/pc/products/1212039>



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 10 mm<sup>2</sup> ... 25 mm<sup>2</sup>, lateral entry, WM crimp

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### CRIMPFOX DUO 16S - Crimping pliers

1202877

<https://www.phoenixcontact.com/pc/products/1202877>



Crimping pliers, contact type: insulated and uninsulated ferrules, standards/regulations: DIN 46228-1, DIN 46228-4, UL 486F, Form A, E, F, cross-section, minimum: 0.14 mm<sup>2</sup>, cross-section, maximum: 16 mm<sup>2</sup>, for TWIN ferrules up to 2 mm<sup>2</sup> x 6 mm<sup>2</sup>, automatic cross-section adjustment, rotating dies, lateral and front entry, crimping: square

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