

# AI 6 -12 BK - Ferrule



3201107

<https://www.phoenixcontact.com/us/products/3201107>

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Ferrule, Length contact range: 12 mm, sleeve length: 20 mm, color: black

## Your advantages

- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- In terms of dimensions, they correspond to DIN 46228-4: 1990-09

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3201107       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | BH34          |
| Product key                          | BH3411        |
| GTIN                                 | 4017918094652 |
| Weight per piece (including packing) | 0.41 g        |
| Weight per piece (excluding packing) | 0.383 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

## Technical data

### Product properties

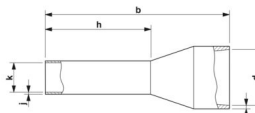
|                    |                                                                            |
|--------------------|----------------------------------------------------------------------------|
| Product type       | Cable end sleeve                                                           |
| 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 46228-1 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. | 6 mm² |
| Conductor cross-section AWG max.      | 10    |
| Stripping length                      | 15 mm |

### Dimensions

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing                       |  |
| Sleeve length                             | 20 mm                                                                                |
| Length contact range                      | 12 mm                                                                                |
| Maximum stripping length                  | 15 mm                                                                                |
| Ferrule diameter                          | 3.5 mm                                                                               |
| Sleeve wall thickness                     | 0.2 mm                                                                               |
| Insulating collar thickness               | 0.3 mm                                                                               |
| Inner dimensions of the insulating collar | 6.2 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 |

### Mechanical properties

#### Technical data

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|               |       |
|---------------|-------|
| Sleeve length | 20 mm |
|---------------|-------|

## Environmental and real-life conditions

### Ambient conditions

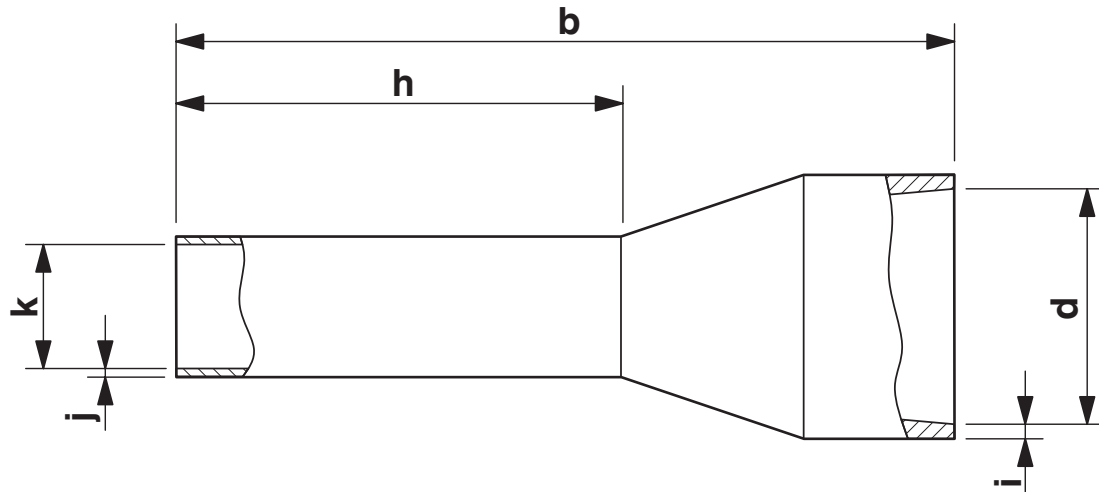
|                        |                                             |
|------------------------|---------------------------------------------|
| Permanent temperature  | 105 °C (-40 °C no load / 0 °C dynamic load) |
| Short-term temperature | 120 °C                                      |

## Standards and regulations

|                              |                        |
|------------------------------|------------------------|
| Design according to standard | UL 486F-E, Sonderfarbe |
|------------------------------|------------------------|

## 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

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**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 |
|-------------|----------|

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%               |
| EF3.0 Climate Change                    |                                          |
| CO2e kg                                 | 0.005 kg CO2e                            |