

# AI 10 -18 BN - Ferrule



3200137

<https://www.phoenixcontact.com/gb/products/3200137>

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

## Your advantages

- In terms of dimensions, these ferrules conform to DIN 46228-4: 1990-09
- The color code of the plastic insulating collar is based on the French standard NF C 63-023: 1994-02
- The metal sleeves are made from soft tin-plated electrolytic copper

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 3200137             |
| Packing unit                         | 100 pc              |
| Minimum order quantity               | 100 pc              |
| Sales key                            | BH3411              |
| Product key                          | BH3411              |
| Catalog page                         | Page 482 (C-3-2019) |
| GTIN                                 | 4017918093785       |
| Weight per piece (including packing) | 0.683 g             |
| Weight per piece (excluding packing) | 0.67 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. | 10 mm <sup>2</sup> |
| Conductor cross section AWG max.      | 8                  |
| Stripping length                      | 21 mm              |

### Dimensions

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing                       |  |
| Sleeve length                             | 28 mm                                                                                |
| Length contact range                      | 18 mm                                                                                |
| Maximum stripping length                  | 21 mm                                                                                |
| Ferrule diameter                          | 4.6 mm                                                                               |
| Sleeve wall thickness                     | 0.2 mm                                                                               |
| Insulating collar thickness               | 0.3 mm                                                                               |
| Inner dimensions of the insulating collar | 7.5 mm                                                                               |

### Material specifications

|                                        |                                |
|----------------------------------------|--------------------------------|
| Color                                  | brown (RAL 8028)               |
| 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 | 28 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, NF C 63-023 |
|------------------------------|------------------------|

## 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/gb/products/3200137>



**cULus Listed**

Approval ID: E488001

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 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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