# AI 1 -12 RD - Ferrule

3200674

https://www.phoenixcontact.com/gb/products/3200674

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Ferrule, Length contact range: 12 mm, sleeve length: 18 mm, color: red

## Your advantages

- The insulation reliability of close connections is increased and the splicing of wires is prevented
- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper

## Commercial data

| | |
|---|---|
| Item number | 3200674 |
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| Sales key | BH3411 |
| Product key | BH3411 |
| GTIN | 4017918094263 |
| Weight per piece (including packing) | 0.13 g |
| Weight per piece (excluding packing) | 0.132 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

## Technical data

### Product properties

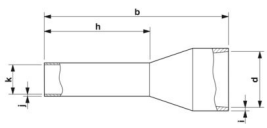
| | |
|---|---|
| Product type | Cable end sleeve |
| Conductor category | stranded conductors, class 2, 5, 6 / B, C, K, M |
| Product property | UL certified |
| | Made from soft tin-plated electrolytic copper |
| | Correspond to the requirements of DIN 46228-4 and UL 486F in terms of size |
| | Plastic collar made of polypropylene |
| | Halogen-free |
| | Long/short-term temperature: +105°C/+120°C |

### Connection data

Conductor connection

| | |
|---|---|
| Conductor cross-section flexible max. | 1 mm² |
| Conductor cross-section AWG max. | 18 |
| Stripping length | 15 mm |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Sleeve length | 18 mm |
| Length contact range | 12 mm |
| Maximum stripping length | 15 mm |
| Ferrule diameter | 1.5 mm |
| Sleeve wall thickness | 0.15 mm |
| Insulating collar thickness | 0.3 mm |
| Inner dimensions of the insulating collar | 3 mm |

### Material specifications

| | |
|---|---|
| Color | red (RAL 3001) |
| 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

| | |
|---|---|
| Sleeve length | 18 mm |

## Environmental and real-life conditions

Ambient conditions

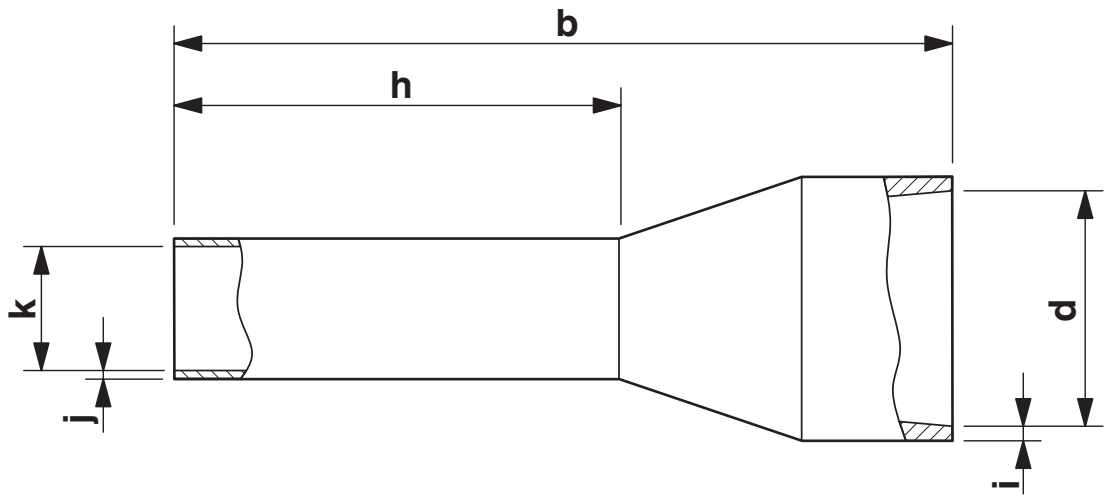
| | |
|---|---|
| Permanent temperature | 105 °C (-40 °C no load / 0 °C dynamic load) |
| Short-term temperature | 120 °C |

## Standards and regulations

| | |
|---|---|
| Design according to standard | DIN 46228-4, UL 486F-E, NFC 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)

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/3200674

**cULus Listed**
Approval ID: E488001

## Classifications

### ECLASS

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

### ETIM

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

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.002 kg CO2e |

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