

# AI-TWIN 2X 1 - 12 YE - Ferrule

2100007

<https://www.phoenixcontact.com/gb/products/2100007>



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Ferrule, Length contact range: 12 mm, sleeve length: 12 mm, color: yellow

## Your advantages

- These special ferrules allow chain bridges to be set up with ease
- The TWIN ferrules provide a practical way of crimping two conductors in one ferrule
- Different versions of the individual TWIN ferrules can be selected for specific applications

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2100007       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | BH3413        |
| Product key                          | BH3413        |
| GTIN                                 | 4067923215146 |
| Weight per piece (including packing) | 0.19 g        |
| Weight per piece (excluding packing) | 0.19 g        |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

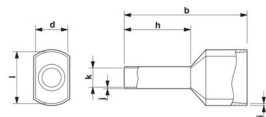
|                    |                                                 |
|--------------------|-------------------------------------------------|
| Product type       | Cable end sleeve                                |
| Conductor category | stranded conductors, class 2, 5, 6 / B, C, K, M |
| Product property   | UL certified                                    |
|                    | Made from soft tin-plated electrolytic copper   |
|                    | Correspond to the requirements of 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. | 1 mm <sup>2</sup> |
| Conductor cross section AWG max.      | 18                |
| Stripping length                      | 16 mm             |

### Dimensions

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing                       |  |
| Sleeve length                             | 12 mm                                                                                |
| Length contact range                      | 12 mm                                                                                |
| Maximum stripping length                  | 16 mm                                                                                |
| Ferrule diameter                          | 2.05 mm                                                                              |
| Sleeve wall thickness                     | 0.15 mm                                                                              |
| Insulating collar thickness               | 0.3 mm                                                                               |
| Inner dimensions of the insulating collar | 3.4 mm                                                                               |

### Material specifications

|                                        |                                |
|----------------------------------------|--------------------------------|
| Color                                  | yellow (RAL 1018)              |
| 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 | 12 mm |
|---------------|-------|

## Environmental and real-life conditions

### Ambient conditions

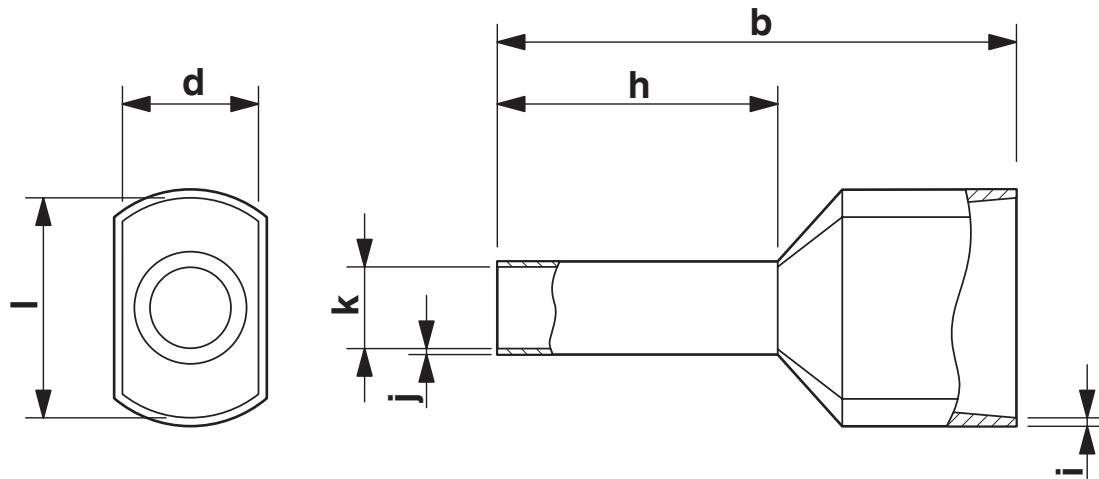
|                        |                                             |
|------------------------|---------------------------------------------|
| Permanent temperature  | 105 °C (-40 °C no load / 0 °C dynamic load) |
| Short-term temperature | 120 °C                                      |

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## 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/2100007>



**cULus Listed**

Approval ID: E488001

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000005 |
|----------|----------|

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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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