

# AI-GB 1-12 YE - Ferrule



2100087

<https://www.phoenixcontact.com/us/products/2100087>

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

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2100087       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | BH34          |
| Product key                          | BH341S        |
| GTIN                                 | 4067923214613 |
| Weight per piece (including packing) | 0.126 g       |
| Weight per piece (excluding packing) | 0.126 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

## Technical data

### Product properties

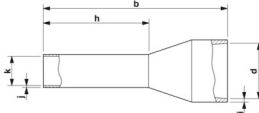
|                    |                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------|
| Product type       | Cable end sleeve                                                                              |
| Conductor category | stranded conductors, class 2, 5, 6 / B, C, K, M                                               |
| Product property   | Suitable for AWG/multi-standard cables due to the increased diameter of the insulating collar |
|                    | 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 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 | 3.4 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

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Technical data

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

## 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/us/products/2100087>



**cULus Listed**

Approval ID: E488001

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## Classifications

### ECLASS

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

### ETIM

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