

# AI-TWIN 2X 2,5 -16 BU - Ferrule



1200281

<https://www.phoenixcontact.com/us/products/1200281>

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Ferrule, Length contact range: 16 mm, sleeve length: 21.5 mm, color: blue



## 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                          | 1200281       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | BH34          |
| Product key                          | BH3413        |
| GTIN                                 | 4055626351414 |
| Weight per piece (including packing) | 0.414 g       |
| Weight per piece (excluding packing) | 0.414 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

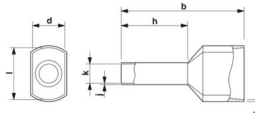
|                    |   |
|--------------------|---|
| Product type       | Cable end sleeve                                |
| Conductor category | stranded conductors, class 2, 5, 6 / B, C, K, M |
| Product property   | Made from soft tin-plated electrolytic copper   |
|                    | Correspond 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.                    | 2.5 mm <sup>2</sup> |
| Conductor cross-section flexible, with TWIN ferrule max. | 2.5 mm <sup>2</sup> |
| Conductor cross-section AWG max.                         | 14                  |
| Stripping length   | 16 mm               |

### Dimensions

|   |  |
|---|--|
| Dimensional drawing                       |  |
| Sleeve length                             | 21.5 mm  |
| Length contact range                      | 16 mm  |
| Maximum stripping length                  | 16 mm  |
| Ferrule diameter                          | 2.9 mm   |
| Sleeve wall thickness                     | 0.2 mm   |
| Insulating collar thickness               | 0.3 mm   |
| Inner dimensions of the insulating collar | 4.2 mm   |

### Material specifications

|  |                                |
|--|--------------------------------|
| Color                                  | blue (RAL 5015)                |
| 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 | 21.5 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 |
|------------------------------|-------------|

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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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## 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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.008 kg CO2e |
|---------|---------------|

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