

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

1200281

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



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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              |
| Catalog page                         | Page 486 (C-3-2019) |
| 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                  |

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



1200281

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

## 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                                    |

### Data management status

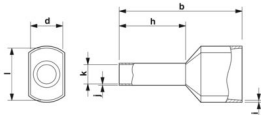
|                  |    |
|------------------|----|
| Article revision | 02 |
|------------------|----|

### 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                                | tin-plated (galvanic)          |
| Surface characteristics                | Tin-plated                     |
| Components                             | free from silicone and halogen |

### Mechanical properties

#### Technical data

|               |         |
|---------------|---------|
| Sleeve length | 21.5 mm |
|---------------|---------|

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



1200281

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

## 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

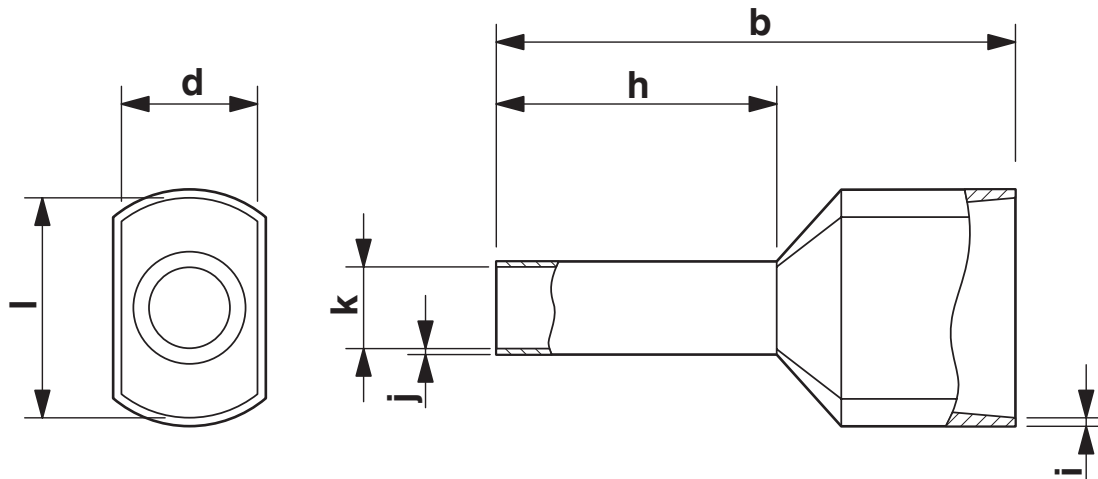
|                              |             |
|------------------------------|-------------|
| Design according to standard | DIN 46228-4 |
|------------------------------|-------------|

1200281

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

## 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)

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

1200281

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



## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27400201 |
| ECLASS-12.0 | 27400201 |
| ECLASS-13.0 | 27400201 |

### ETIM

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

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 27121700 |
|-------------|----------|

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



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

## 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%               |

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)