

## Ferrule - Al 4 -12 GY - 3200959

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Ferrule, sleeve length: 12 mm, length: 20 mm, color: gray

### Your advantages

- ✓ The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- ✓ The Al 0,25.. ferrules can also be used to process 0.14 mm<sup>2</sup> conductors
- ✓ The insulation reliability of close connections is increased and the splicing of wires is prevented



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| Minimum order quantity               | 100 pc  |
| GTIN                                 | <br>4 017918 094508 |
| GTIN                                 | 4017918094508   |
| Weight per Piece (excluding packing) | 0.298 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|  |        |
|--|--------|
| Length (b)                                   | 20 mm  |
| Maximum stripping length                     | 15 mm  |
| Sleeve length                                | 12 mm  |
| Inner dimension of the insulating collar (d) | 4.8 mm |
| Ferrule diameter                             | 2.8 mm |

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## Technical data

### Dimensions

|                             |        |
|-----------------------------|--------|
| Insulating collar thickness | 0.3 mm |
| Sleeve wall thickness       | 0.2 mm |

### Ambient conditions

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

### General

|                    |   |
|--------------------|---|
| Color              | gray  |
| Components         | free from silicone and halogen                  |
| Material           | CU-DHP  |
| Coating            | tin-plated (galvanic)                           |
| Conductor category | Stranded conductors, class 2, 5, 6 / B, C, K, M |

### Standards and Regulations

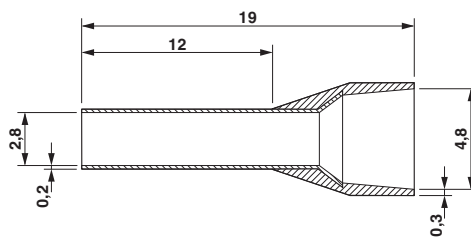
|  |     |
|--|-----|
| Connection in acc. with standard       | CSA |
| Flammability rating according to UL 94 | HB  |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Dimensional drawing



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27400201 |
| eCl@ss 11.0   | 27400201 |
| eCl@ss 4.0    | 27060700 |
| eCl@ss 4.1    | 27060700 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27400200 |
| eCl@ss 5.1 | 27400200 |
| eCl@ss 6.0 | 27400200 |
| eCl@ss 7.0 | 27400201 |
| eCl@ss 9.0 | 27400201 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000005 |
| ETIM 3.0 | EC000005 |
| ETIM 4.0 | EC000005 |
| ETIM 6.0 | EC000005 |
| ETIM 7.0 | EC000005 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30212109 |
| UNSPSC 7.0901 | 27121703 |
| UNSPSC 11     | 27121703 |
| UNSPSC 12.01  | 27121703 |
| UNSPSC 13.2   | 27121703 |
| UNSPSC 18.0   | 27121703 |
| UNSPSC 19.0   | 27121703 |
| UNSPSC 20.0   | 27121703 |
| UNSPSC 21.0   | 27121703 |

## Approvals

### Approvals

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#### Approvals

CSA / UL Listed / cUL Listed / CSAus / cULus Listed / cCSAus

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#### Ex Approvals

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### Approval details

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## Approvals

|              |   |   |         |
|--------------|---|---|---------|
| CSA          |    | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>               | 247397  |
| UL Listed    |    | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E488001 |
| cUL Listed   |    | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E488001 |
| CSAus        |    | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>               | 247397  |
| cULus Listed |  |   |         |
| cCSAus       |  |   |         |