

# G-INS-M12-S68N-PNES-LG - Cable gland



1417652

<https://www.phoenixcontact.com/us/products/1417652>

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Cable gland, material for screw connection: PA, application: Standard, external cable diameter 3 mm ... 6.5 mm, shielding: no, connecting thread: M12 x 1.5, color: lightgray RAL 7035

## Your advantages

- Plastic material conforms to UL 746C f1

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1417652       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BF68          |
| Product key                          | AF7DCX        |
| GTIN                                 | 4055626120959 |
| Weight per piece (including packing) | 3.75 g        |
| Weight per piece (excluding packing) | 3.338 g       |
| Customs tariff number                | 39269097      |
| Country of origin                    | TR            |

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## Technical data

### Mounting

|               |                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Assembly note | 1) Mount screw connection support in the housing using the correct torque 2) Insert cable 3) Tighten union nut using the correct torque |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|

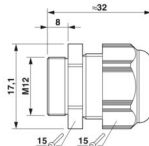
### Product properties

|                                |                   |
|--------------------------------|-------------------|
| Product type                   | Cable screw gland |
| Application                    | Standard          |
| No. of conductors              | 1                 |
| Manufacturer                   | BIMED             |
| Manufacturer Designation       | BM-1S             |
| Shielded                       | no                |
| Execution of the strain relief | A                 |

### Characteristics

|                          |   |
|--------------------------|---|
| Category of shock impact | 2 |
| Design, Strain relief    | A |

### Dimensions

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing             |  |
| Length                          | 32 mm                                                                                |
| Length of the connecting thread | 8 mm                                                                                 |
| Hole diameter                   | 12.1 mm ... 12.2 mm                                                                  |
| Wrench size, union nut          | 15 mm                                                                                |
| Wrench size, support            | 15 mm                                                                                |
| Hexagon angular dimension       | 17.1 mm                                                                              |
| Thread type connection side     | M12 x 1.5                                                                            |
| Thread pitch                    | 1.5 mm                                                                               |

### Connection data

|                   |                             |
|-------------------|-----------------------------|
| Tightening torque | 2 Nm $\pm$ 0.5 Nm (Cap nut) |
|                   | 1 Nm (Support sleeve)       |

### Material specifications

|                                        |                       |
|----------------------------------------|-----------------------|
| Color                                  | light gray (RAL 7035) |
| Flammability rating according to UL 94 | V2                    |
| Seal material Cable seal               | CR                    |
| Material for screw connection          | PA                    |

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## Cable/line

|                                 |                                |
|---------------------------------|--------------------------------|
| External cable diameter Cable 1 | 3 mm ... 6.5 mm                |
| External cable diameter         | 3 mm ... 6.5 mm (for UL 514 B) |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                            |
|---------------------------------|----------------------------|
| Degree of protection            | IP66                       |
|                                 | IP68 (5 bar / 0.5 h)       |
| Enclosure rating (NEMA)         | 1                          |
|                                 | 4                          |
|                                 | 4X                         |
|                                 | 12                         |
|                                 | 13                         |
| Ambient temperature (operation) | -40 °C ... 100 °C (static) |

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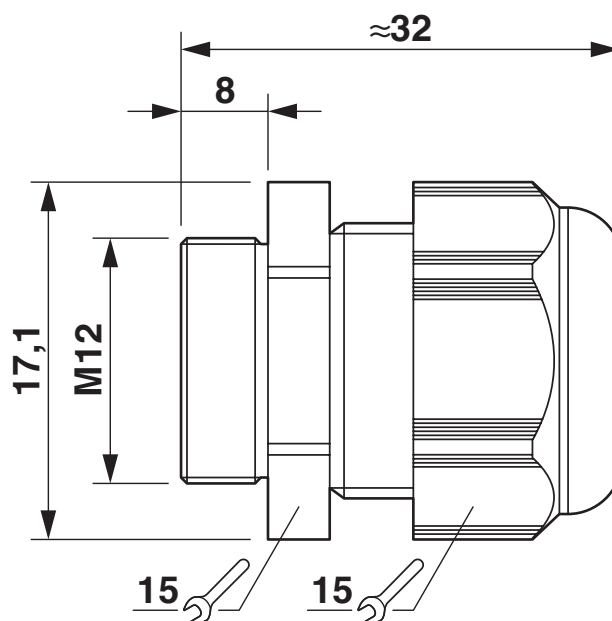
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417652>

**DNV**

Approval ID: TAE00003WX



**cUL Recognized**

Approval ID: E199260



**UL Recognized**

Approval ID: E199260

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27140801 |
| ECLASS-15.0 | 27140801 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000441 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121300 |
|-------------|----------|

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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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