

# G-INVEN-M12-M67N-NNES-S - Cable gland



1424538

<https://www.phoenixcontact.com/us/products/1424538>

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Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 4 mm ... 7 mm, shielding: no, connecting thread: M12 x 1.5, color: silver-colored, with pressure compensation element and O-ring

## Product description

Cable gland with integrated pressure compensation element. Prevents low pressure forming in the housing. Membrane: resistant to water and dirt

## Your advantages

- Reduces the formation of condensation
- Screw connection with integrated pressure compensation element

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1424538       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF68          |
| Product key                          | AF7DAX        |
| GTIN                                 | 4055626374437 |
| Weight per piece (including packing) | 28.3 g        |
| Weight per piece (excluding packing) | 28.3 g        |
| Customs tariff number                | 74198090      |
| Country of origin                    | TR            |

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## Technical data

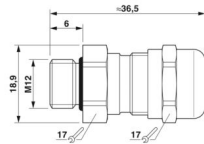
### Product properties

|                                |  |
|--------------------------------|--|
| Product type                   | Cable screw gland                              |
| Application                    | Standard                                       |
| No. of conductors              | 1  |
| Manufacturer                   | BIMED  |
| Manufacturer Designation       | BMBCVG-0S                                      |
| Air flow rate                  | 25 (l/h at a pressure differential of 70 mbar) |
| Shielded                       | no   |
| Execution of the strain relief | A  |

### Characteristics

|                          |   |
|--------------------------|---|
| Category of shock impact | 5 |
| Design, Strain relief    | A |

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Length                          | 36.5 mm  |
| Length of the connecting thread | 6 mm   |
| Hole diameter                   | 12.1 mm ... 12.2 mm  |
| Wrench size, union nut          | 17 mm  |
| Wrench size, support            | 17 mm  |
| Thread type connection side     | M12 x 1.5  |
| Thread pitch                    | 1.5 mm   |

### Connection data

|                   |                       |
|-------------------|-----------------------|
| Tightening torque | 6 Nm (Cap nut)        |
|                   | 3 Nm (Support sleeve) |

### Material specifications

|                               |  |
|-------------------------------|--|
| Color                         | brass color  |
| Material                      | PTFE (The material specification refers to the ventilation membrane) |
| Seal material O-ring          | NBR  |
| Seal material Cable seal      | CR   |
| Material for screw connection | Brass, nickel-plated   |

### Cable/line

|                                 |               |
|---------------------------------|---------------|
| External cable diameter Cable 1 | 4 mm ... 7 mm |
|---------------------------------|---------------|

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|                         |                              |
|-------------------------|------------------------------|
| External cable diameter | 4 mm ... 8 mm (for UL 514 B) |
| Halogen-free            | no                           |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                            |
|---------------------------------|----------------------------|
| Degree of protection            | IP67                       |
|                                 | IP66                       |
| Ambient temperature (operation) | -20 °C ... 100 °C (static) |

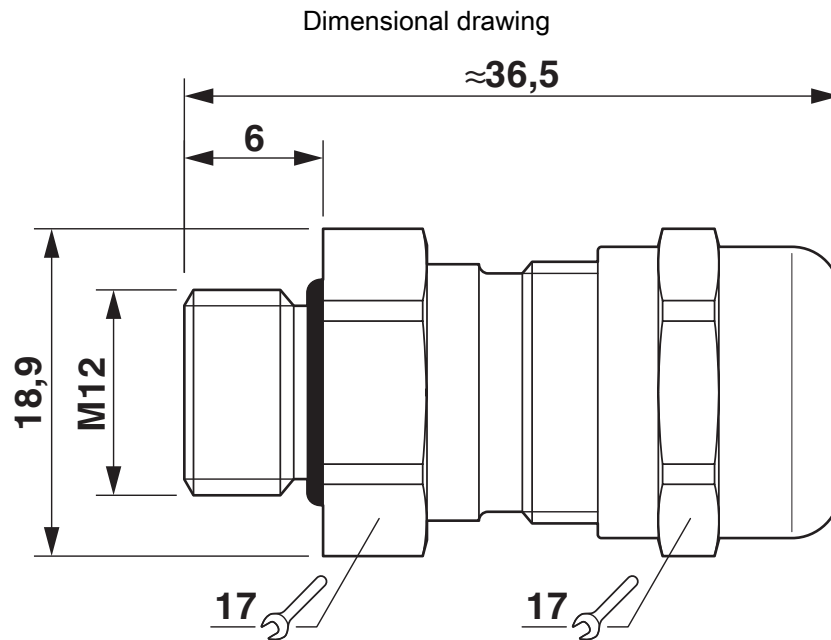
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## Drawings



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424538>



**cUL Recognized**

Approval ID: E199260



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## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000441 |
|-----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 752bdf12-f5b8-4cf3-a622-09167e687db9 |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 1.312 kg CO2e |
|---------|---------------|

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