

# G-INS-M32-M68N-NNES-S - Cable gland



1411166

<https://www.phoenixcontact.com/us/products/1411166>

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Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 15 mm ... 21 mm, shielding: no, connecting thread: M32 x 1.5, color: silver-colored, with O-ring

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1411166       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF68          |
| Product key                          | AF7DAX        |
| GTIN                                 | 4046356923002 |
| Weight per piece (including packing) | 87.8 g        |
| Weight per piece (excluding packing) | 85.9 g        |
| Customs tariff number                | 74198090      |
| 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 |
|---------------|---|

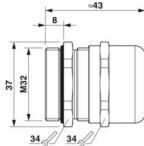
### Product properties

|                                |                   |
|--------------------------------|-------------------|
| Product type                   | Cable screw gland |
| Application                    | Standard          |
| No. of conductors              | 1                 |
| Manufacturer                   | BIMED             |
| Manufacturer Designation       | BMBC-E4           |
| Shielded                       | no                |
| Execution of the strain relief | A                 |

### Characteristics

|                          |   |
|--------------------------|---|
| Category of shock impact | 6 |
| Design, Strain relief    | A |

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Length                          | 43 mm  |
| Length of the connecting thread | 8 mm   |
| Hole diameter                   | 32.1 mm ... 32.3 mm  |
| Wrench size, union nut          | 34 mm  |
| Wrench size, support            | 34 mm  |
| Hexagon angular dimension       | 37 mm  |
| Thread type connection side     | M32 x 1.5  |
| Thread pitch                    | 1.5 mm   |

### Connection data

|                   |                            |
|-------------------|----------------------------|
| Tightening torque | 15 Nm $\pm$ 1 Nm (Cap nut) |
|                   | 6 Nm (Support sleeve)      |

### Material specifications

|                           |             |
|---------------------------|-------------|
| Color                     | brass color |
| Material Compression ring | PA 6        |
| Seal material O-ring      | Perbunan    |
| Seal material Cable seal  | CR          |

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|                               |                      |
|-------------------------------|----------------------|
| Material for screw connection | Brass, nickel-plated |
|-------------------------------|----------------------|

## Cable/line

|                                 |                                |
|---------------------------------|--------------------------------|
| External cable diameter Cable 1 | 15 mm ... 21 mm                |
| External cable diameter         | 17 mm ... 21 mm (for UL 514 B) |
| Halogen-free                    | no                             |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                                 |
|---------------------------------|---------------------------------|
| Degree of protection            | IP66                            |
|                                 | IP68 (5 bar, 30 min.)           |
|                                 | IP69 (DIN EN 60529 / IEC 60529) |
| Enclosure rating (NEMA)         | 4X                              |
| Ambient temperature (operation) | -40 °C ... 100 °C (static)      |

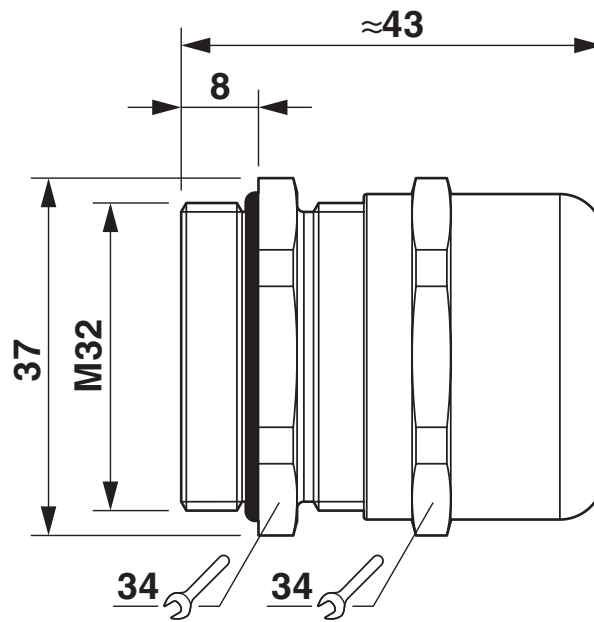
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411166>

### DNV

Approval ID: TAE00003WY



### UL Listed

Approval ID: E199260



### cUL Listed

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                                | 1d82da5d-1770-4337-8a92-619016fc6f0a |

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