

# G-INS-M20-S68N-NNES-S - Cable gland



1411163

<https://www.phoenixcontact.com/us/products/1411163>

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Cable gland, material for screw connection: Brass, nickel-plated, external cable diameter 6 mm ...  
. 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver, with O-ring

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1411163             |
| Packing unit                         | 5 pc                |
| Minimum order quantity               | 5 pc                |
| Sales key                            | BF68                |
| Product key                          | BF7DAX              |
| Catalog page                         | Page 688 (C-2-2019) |
| GTIN                                 | 4046356922982       |
| Weight per piece (including packing) | 30.2 g              |
| Weight per piece (excluding packing) | 29.28 g             |
| Customs tariff number                | 74198090            |
| Country of origin                    | TR                  |

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## Technical data

### Mounting

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

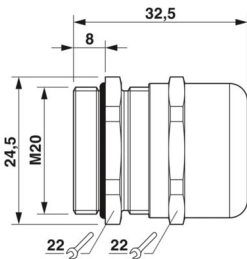
### Product properties

|                                |                       |
|--------------------------------|-----------------------|
| Product type                   | Full screw connection |
| No. of conductors              | 1                     |
| Manufacturer                   | BIMED                 |
| Manufacturer Designation       | BMBC-02               |
| Shielded                       | no                    |
| Execution of the strain relief | A                     |

### Characteristics

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

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Length                          | 37 mm  |
| Length of the connecting thread | 8 mm   |
| Hole diameter                   | 20.1 mm ... 20.3 mm  |
| Wrench size, union nut          | 22 mm  |
| Wrench size, support            | 22 mm  |
| Hexagon angular dimension       | 24.5 mm  |
| Thread type connection side     | M20 x 1.5  |
| Thread pitch                    | 1.5 mm   |

### Connection data

|                   |   |
|-------------------|---|
| Tightening torque | 8 Nm ±0.5 Nm (Cap nut)<br>5.5 Nm (Support sleeve) |
|-------------------|---|

### Material specifications

|                           |       |
|---------------------------|-------|
| Color                     | Brass |
| Material Compression ring | PA 6  |

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|                               |                      |
|-------------------------------|----------------------|
| Seal material O-ring          | Perbunan             |
| Seal material Cable seal      | CR                   |
| Material for screw connection | Brass, nickel-plated |

## Cable/line

|                                   |                                |
|-----------------------------------|--------------------------------|
| External cable diameter (Cable 1) | 6 mm ... 12 mm                 |
| External cable diameter ( )       | 10 mm ... 12 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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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27144432 |
| ECLASS-12.0 | 27140801 |
| ECLASS-13.0 | 27140801 |

### ETIM

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

### UNSPSC

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

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## Environmental product compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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