

## Cable gland - G-INS-M16-M68N-SNES-S - 1424542

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid  
(<http://phoenixcontact.com/download>)



Cable gland, cable gland material: Stainless steel 1.4305, external cable diameter 5 mm ... 10 mm, shielding: no, connecting thread: M16 x 1.5, color: silver, with O-ring

RoHS

### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4055626374475                                                                        |

### Technical data

#### Dimensions

|                                 |                               |
|---------------------------------|-------------------------------|
| Length                          | 35 mm                         |
| Wrench size, union nut          | 22 mm                         |
| Wrench size, support            | 22 mm                         |
| Hexagon angular dimension       | 24.5 mm                       |
| Length of the connecting thread | 7 mm                          |
| Feed-through hole diameter      | 16.1 mm ... 16.3 mm           |
| External cable diameter         | 5 mm ... 10 mm                |
|                                 | 6 mm ... 10 mm (for UL 514 B) |

#### Ambient conditions

|                                 |                            |
|---------------------------------|----------------------------|
| Degree of protection (IP)       | IP68 (5 bar, 30 min.)      |
|                                 | IP66                       |
|                                 | IP69                       |
| Ambient temperature (operation) | -40 °C ... 100 °C (static) |

#### General

|                      |                        |
|----------------------|------------------------|
| No. of conductors    | 1                      |
| Cable gland material | Stainless steel 1.4305 |
| Material, insert     | Polyamide 6            |

## Cable gland - G-INS-M16-M68N-SNES-S - 1424542

### Technical data

#### General

|                                |                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Cable seal material            | CR                                                                                                                                      |
| Sealing material               | Perbunan (O-ring)                                                                                                                       |
| Shielded                       | no                                                                                                                                      |
| Thread type on connection side | M16 x 1.5                                                                                                                               |
| Torque                         | 9 Nm (Union nut)                                                                                                                        |
|                                | 9 Nm (Support sleeve)                                                                                                                   |
|                                | 9 Nm (for UL514 B: union nut)                                                                                                           |
| Color                          | silver                                                                                                                                  |
| Impact category                | 2                                                                                                                                       |
| Execution of the strain relief | A                                                                                                                                       |
| 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 |
| Manufacturer                   | BIMED                                                                                                                                   |
| Manufacturer Designation       | BMSC-E1                                                                                                                                 |

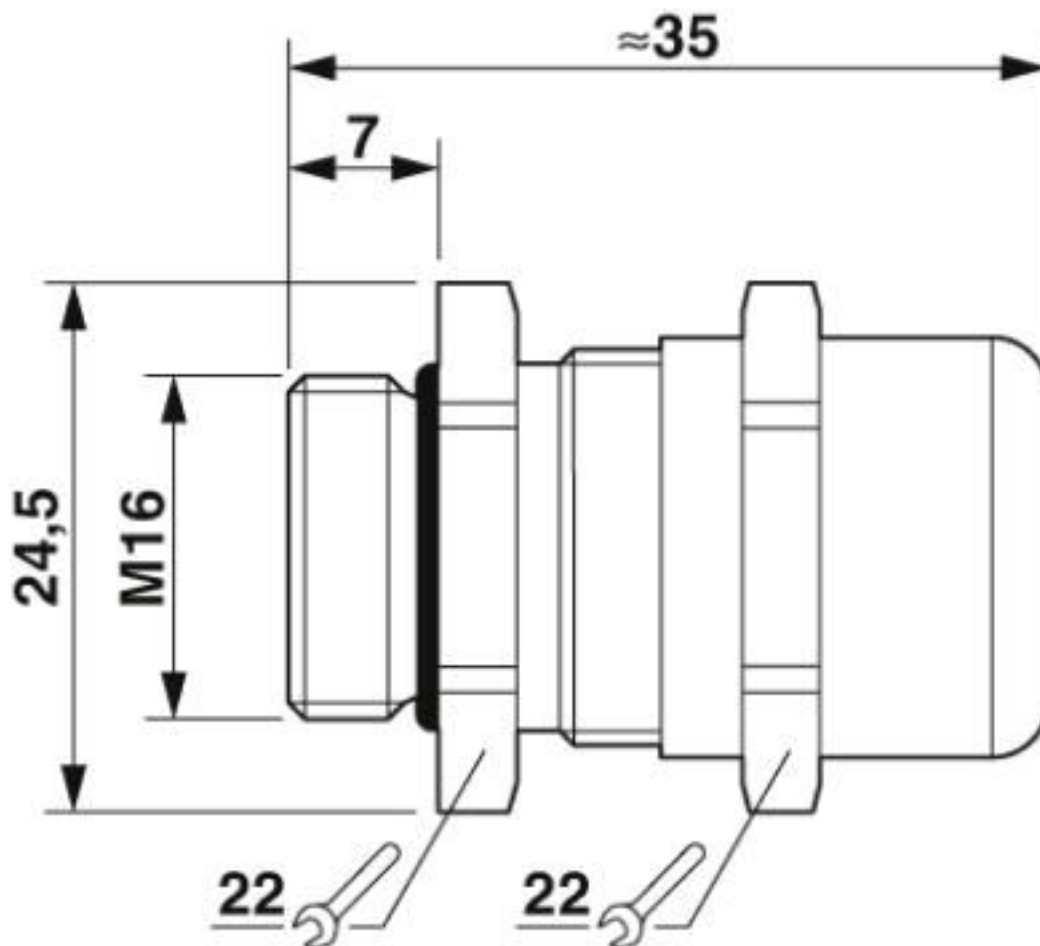
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

## Cable gland - G-INS-M16-M68N-SNES-S - 1424542

Dimensional drawing



Dimensional drawing

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27144432 |
| eCl@ss 4.0    | 27141200 |
| eCl@ss 4.1    | 27141200 |
| eCl@ss 5.0    | 27149100 |
| eCl@ss 5.1    | 27149109 |
| eCl@ss 6.0    | 27149100 |
| eCl@ss 7.0    | 27149109 |
| eCl@ss 8.0    | 27149109 |
| eCl@ss 9.0    | 27144432 |

## Cable gland - G-INS-M16-M68N-SNES-S - 1424542

### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC000441 |
| ETIM 6.0 | EC000441 |
| ETIM 7.0 | EC000441 |

### Approvals

#### Approvals

#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approval details

|               |                                                                                     |                                                                                                                                                       |         |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| UL Recognized |  | <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> | E199260 |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|

|                |                                                                                     |                                                                                                                                                       |         |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| cUL Recognized |  | <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> | E199260 |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|

|                  |                                                                                     |  |  |
|------------------|-------------------------------------------------------------------------------------|--|--|
| cULus Recognized |  |  |  |
|------------------|-------------------------------------------------------------------------------------|--|--|

### Accessories

#### Accessories

#### Flat nut

Counter nut - A-INL-M16-S-S - 1425176



Counter nut, material: Stainless steel 1.4305, for threads M16 x 1.5, color: silver

#### Sealing plugs

## Cable gland - G-INS-M16-M68N-SNES-S - 1424542

### Accessories

Closing cap - SEALING PLUG 8X16 RD - 1400257



Closing cap, material: PA, color: red

---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact:

1424542