

# G-ESISEC-M16-S68N-NEPDS-S - Cable gland



1415149

<https://www.phoenixcontact.com/nl/products/1415149>

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Cable gland, material for screw connection: Brass, nickel-plated, application: Ex, external cable diameter 5 mm ... 10 mm, shielding: yes, connecting thread: M16 x 1.5, color: silver-colored, with O-ring

## Your advantages

- Dust protection during storage and transport provided by a dust cap.
- Weatherproof sealing material
- Halogen-free

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1415149       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AF7DDX        |
| Product key                          | AF7DDX        |
| GTIN                                 | 4055626037936 |
| Weight per piece (including packing) | 42,94 g       |
| Weight per piece (excluding packing) | 22,22 g       |
| Customs tariff number                | 74198090      |
| Country of origin                    | DE            |

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## Technical data

### Mounting

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly note | <p>Mounting the screw connection:</p> <ul style="list-style-type: none"><li>- Mount cable gland support</li><li>- Strip outer cable sheath. Expose around 7 mm of the cable shield.</li><li>- Push the outer cone over the braided shield</li><li>- Push the inner cone under the shield</li><li>- Insert both, together with the cable, in the mounted screw connection support</li><li>- Tighten union nut with the required torque</li></ul> |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

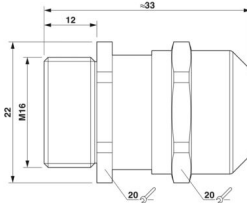
### Product properties

|                          |                  |
|--------------------------|------------------|
| Application              | Ex               |
| No. of conductors        | 1                |
| Manufacturer             | WISKA            |
| Manufacturer Designation | EMSKE-L 16 EMV-Z |
| Shielded                 | yes              |

### Ex data

|                              |                      |
|------------------------------|----------------------|
| Cable types that can be used | for unarmored cables |
| Suited for EX-applications   | yes                  |

### Dimensions

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing             |  |
| Length                          | 33 mm                                                                                |
| Length of the connecting thread | 12 mm                                                                                |
| Hole diameter                   | 16.1 mm ... 16.3 mm                                                                  |
| Wrench size, union nut          | 20 mm                                                                                |
| Wrench size, support            | 20 mm                                                                                |
| Hexagon angular dimension       | 22 mm                                                                                |
| Thread type connection side     | M16 x 1.5                                                                            |
| Thread pitch                    | 1.5 mm                                                                               |

### Connection data

|                   |                       |
|-------------------|-----------------------|
| Tightening torque | 4 Nm (Support sleeve) |
|-------------------|-----------------------|

### Material specifications

|       |             |
|-------|-------------|
| Color | brass color |
|-------|-------------|

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|                               |                      |
|-------------------------------|----------------------|
| Material Compression ring     | PA                   |
| Seal material Cable seal      | EPDM                 |
| Material for screw connection | Brass, nickel-plated |

## Cable/line

|                         |                |
|-------------------------|----------------|
| External cable diameter | 5 mm ... 10 mm |
|-------------------------|----------------|

## Environmental and real-life conditions

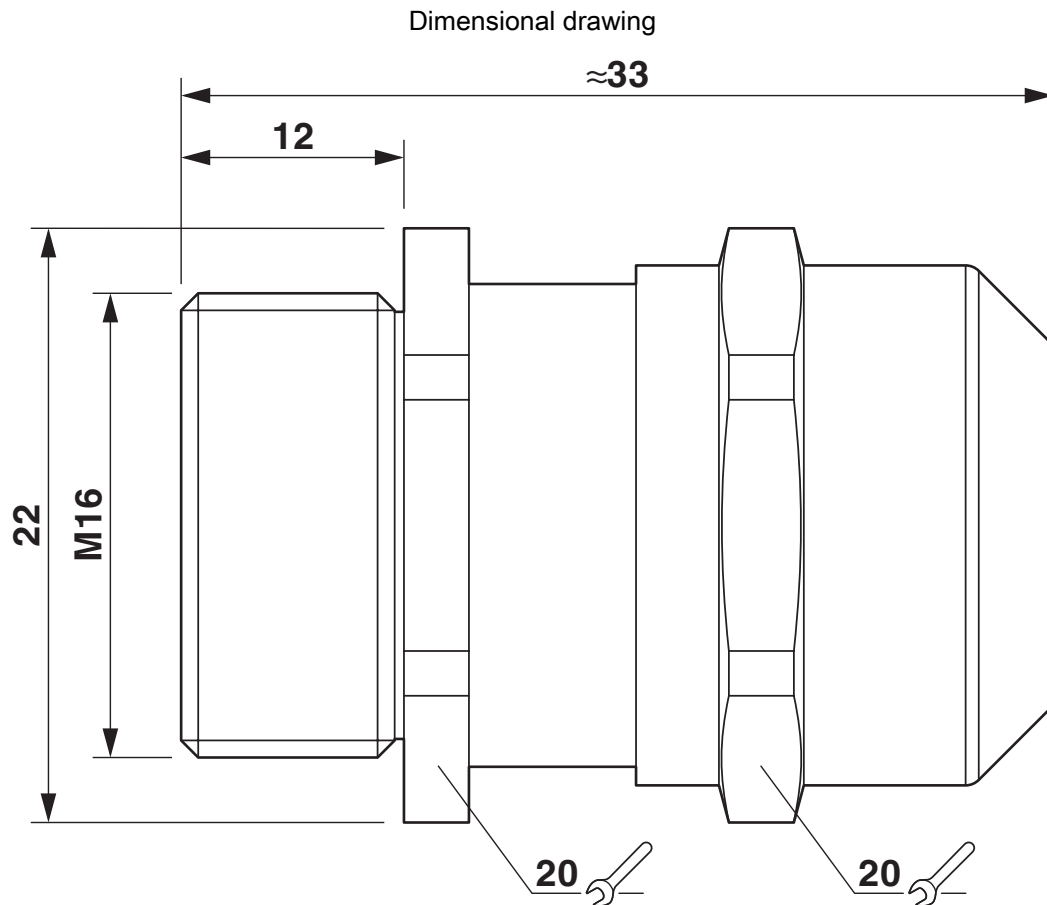
### Ambient conditions

|                                 |                           |
|---------------------------------|---------------------------|
| Degree of protection            | IP66                      |
|                                 | IP68 (5 bar / 0.5 h)      |
| Ambient temperature (operation) | -40 °C ... 75 °C (static) |

## Approvals

|       |                            |
|-------|----------------------------|
| ATEX  | II 2 G/D EEx e II IP68     |
| IECEx | Ex e IIC Gb, Ex tb IIIC Db |

## Drawings



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/1415149>



**cUL Recognized**

Approval ID: E179850



**UL Recognized**

Approval ID: E179850



**EAC Ex**

Approval ID: RU C-DE.HA67.B.00120



**GL**

Approval ID: 20259-04 HH



**IECEx**

Approval ID: IECEx PTB 13.0027X



**ATEX**

Approval ID: PTB 04 ATEX 1112 X

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27140802 |
| ECLASS-15.0 | 27140802 |

### ETIM

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

### UNSPSC

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

## 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                                | 1b7d68ef-caec-419e-a8e2-b037e964239f |