

G-INSEC-M16-S68L-NCRS-S - Cable gland



1077099

<https://www.phoenixcontact.com/us/products/1077099>

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1077099 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | BF68 |
| Product key | AF7DBX |
| GTIN | 4055626789217 |
| Weight per piece (including packing) | 27.6 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85369010 |
| Country of origin | TR |

Technical data

Mounting

| | |
|---------------|---|
| Assembly note | <p>Method 1 Cut the outer sheath, but do not remove it. Feed the cable through the screw connection and then remove the outer sheath. Now pull the cable back until the connection is established between the cable shield and the contact spring.</p> <p>Method 2 Push the braided shield back around 15 ... 20 mm over the outer sheath. Insert the cables into the screw connection until the connection is established between the cable shield and the contact spring.</p> |
|---------------|---|

Product properties

| | |
|--------------------------------|-------------------|
| Product type | Cable screw gland |
| Application | EMC |
| Manufacturer | BIMED |
| Manufacturer Designation | BMEM-E1 |
| Shielded | yes |
| Execution of the strain relief | A |

Characteristics

| | |
|-------------------------------------|-----------------------------------|
| Category of shock impact | 6 |
| Cable diameter without cable sheath | 4 mm (Diameter of braided shield) |
| Design, Strain relief | A |

Dimensions

| | |
|--|-------------------------------------|
| Dimensional drawing | |
| Length of the connecting thread | 7 mm |
| Hole diameter | 16.1 mm ... 16.2 mm |
| Wrench size, union nut | 20 mm |
| Wrench size, support | 20 mm |
| Clamping range of the strain relief clip | 6.00 mm ... 10.00 mm (for UL 514 B) |
| Hexagon angular dimension | 22 mm |
| Thread type connection side | M16 x 1.5 |
| Thread pitch | 1.5 mm |

Connection data

| | |
|--|------------------|
| | 7 Nm (Union nut) |
|--|------------------|

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| | |
|-------------------|-------------------------------|
| Tightening torque | 7 Nm (Support: EN 62444) |
| | 8 Nm (for UL514 B: union nut) |

Material specifications

| | |
|-------------------------------|----------------------|
| Color | brass color |
| Material Compression ring | PA 6 |
| Seal material O-ring | Perbunan |
| Seal material Cable seal | CR |
| Material for screw connection | Brass, nickel-plated |

Cable/line

| | |
|-------------------------|-------------------------------|
| External cable diameter | 5 mm ... 10 mm |
| | 5 mm ... 10 mm (for UL 514 B) |
| Halogen-free | no |

Environmental and real-life conditions

Ambient conditions

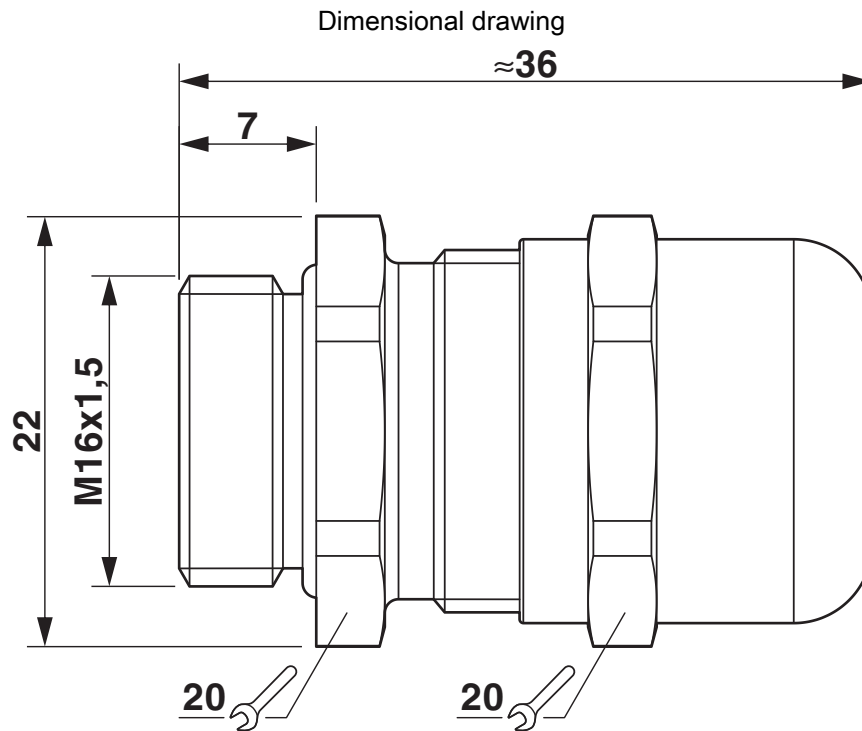
| | |
|---------------------------------|----------------------------|
| Degree of protection | IP68 (5 bar, 30 minutes) |
| Enclosure rating (NEMA) | 4X |
| Ambient temperature (operation) | -40 °C ... 100 °C (static) |

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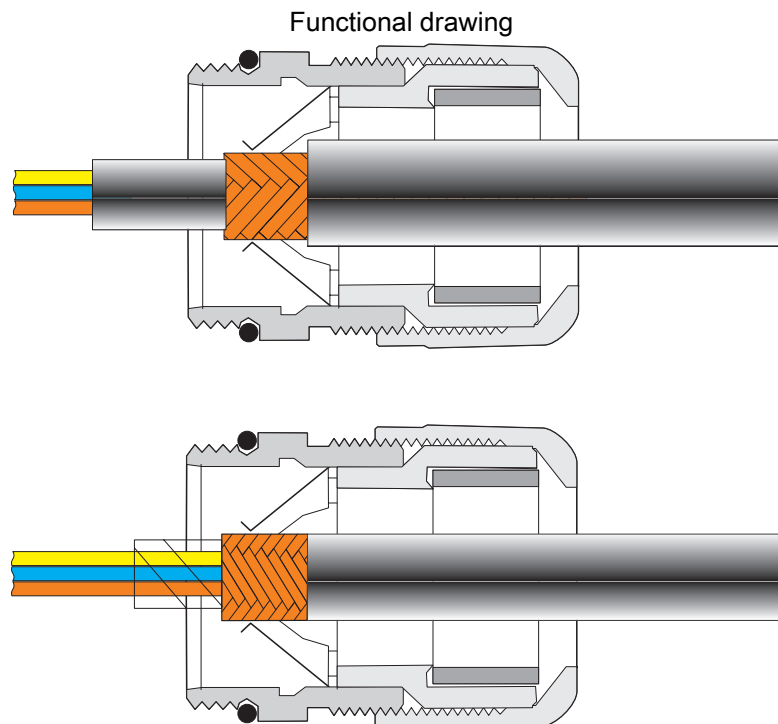
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Drawings



Dimensional drawing



See assembly instruction

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1077099>

DNV

Approval ID: TAE00003WY



cUL Recognized

Approval ID: E199260



UL 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 | c438d79a-7213-4acb-8ce9-f9e224805bb2 |

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