

# G-INS-M25-L68N-PNES-BK - Cable gland



1424482

<https://www.phoenixcontact.com/us/products/1424482>

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Cable gland, material for screw connection: PA, application: Standard, external cable diameter 13 mm ... 18 mm, shielding: no, connecting thread: M25 x 1.5, color: jet black RAL 9005

## Your advantages

- Plastic material conforms to UL 746C f1

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1424482       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF68          |
| Product key                          | AF7DCX        |
| GTIN                                 | 4055626373126 |
| Weight per piece (including packing) | 22.67 g       |
| Weight per piece (excluding packing) | 23.38 g       |
| Customs tariff number                | 39269097      |
| 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 |
|---------------|---|

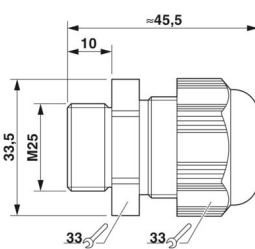
### Product properties

|                                |                   |
|--------------------------------|-------------------|
| Product type                   | Cable screw gland |
| Application                    | Standard          |
| No. of conductors              | 1                 |
| Manufacturer                   | BIMED             |
| Manufacturer Designation       | BM-25             |
| Shielded                       | no                |
| Execution of the strain relief | A                 |

### Characteristics

|                          |   |
|--------------------------|---|
| Category of shock impact | 4 |
| Design, Strain relief    | A |

### Dimensions

|                                 |  |
|---------------------------------|--|
| Dimensional drawing             |  |
| Length                          | 42 mm  |
| Length of the connecting thread | 10 mm  |
| Hole diameter                   | 25.1 mm ... 25.2 mm  |
| Wrench size, union nut          | 33 mm  |
| Wrench size, support            | 33 mm  |
| Hexagon angular dimension       | 33.5 mm  |
| Thread type connection side     | M25 x 1.5  |
| Thread pitch                    | 1.5 mm   |

### Connection data

|                   |                               |
|-------------------|-------------------------------|
| Tightening torque | 9 Nm (Cap nut)                |
|                   | 3.5 Nm (Support: EN 62444)    |
|                   | 9 Nm (for UL514 B: union nut) |

### Material specifications

|       |                  |
|-------|------------------|
| Color | black (RAL 9005) |
|-------|------------------|

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|  |    |
|--|----|
| Flammability rating according to UL 94 | V2 |
| Seal material Cable seal               | CR |
| Material for screw connection          | PA |

## Cable/line

|                                 |                                |
|---------------------------------|--------------------------------|
| External cable diameter Cable 1 | 13 mm ... 18 mm                |
| External cable diameter         | 13 mm ... 18 mm (for UL 514 B) |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                            |
|---------------------------------|----------------------------|
| Degree of protection            | IP66                       |
|                                 | IP68 (5 bar / 0.5 h)       |
| Enclosure rating (NEMA)         | 1                          |
|                                 | 4                          |
|                                 | 4X                         |
|                                 | 12                         |
|                                 | 13                         |
| Ambient temperature (operation) | -40 °C ... 100 °C (static) |

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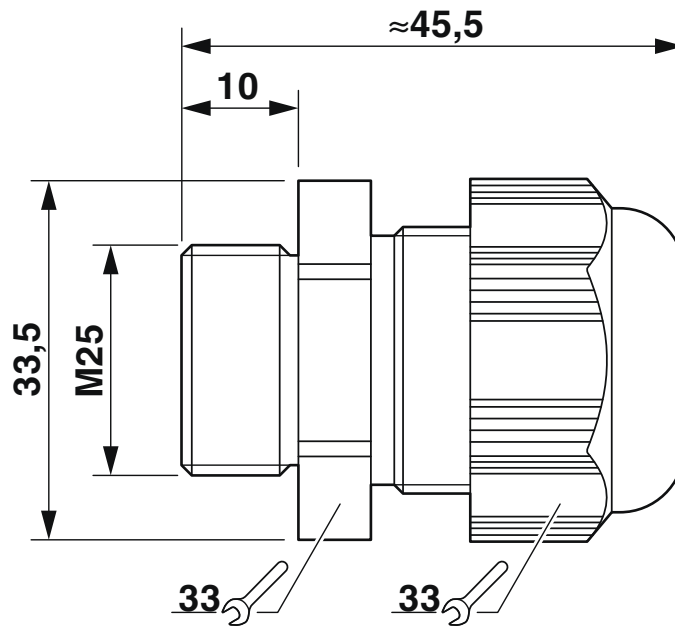


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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424482>

 **CSA**  
Approval ID: 115116

 **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, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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