

# G-INS-PG13,5-M68N-PNES-BK - Cable gland



1424498

<https://www.phoenixcontact.com/us/products/1424498>

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Cable gland, material for screw connection: PA, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: Pg13,5, color: jet black RAL 9005

## Your advantages

- Plastic material conforms to UL 746C f1

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1424498       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF68          |
| Product key                          | AF7DCX        |
| GTIN                                 | 4055626373287 |
| Weight per piece (including packing) | 10.93 g       |
| Weight per piece (excluding packing) | 10.93 g       |
| Customs tariff number                | 39269097      |
| Country of origin                    | TR            |

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## Technical data

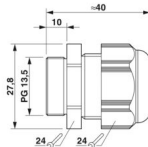
### Mounting

|               |                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 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 | BS-24             |
| Shielded                 | no                |

### Dimensions

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing             |  |
| Length                          | 40 mm                                                                                |
| Length of the connecting thread | 10 mm                                                                                |
| Hole diameter                   | 20.5 mm ... 20.7 mm                                                                  |
| Wrench size, union nut          | 24 mm                                                                                |
| Wrench size, support            | 24 mm                                                                                |
| Hexagon angular dimension       | 27.8 mm                                                                              |
| Thread type connection side     | Pg13,5                                                                               |

### Connection data

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Tightening torque | 4 Nm $\pm$ 0.5 Nm (Cap nut)<br>3 Nm (Support sleeve) |
|-------------------|------------------------------------------------------|

### Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color                                  | black (RAL 9005) |
| Flammability rating according to UL 94 | V2               |
| Seal material Cable seal               | CR               |
| Material for screw connection          | PA               |

### Cable/line

|                                 |                               |
|---------------------------------|-------------------------------|
| External cable diameter Cable 1 | 6 mm ... 12 mm                |
| External cable diameter         | 6 mm ... 12 mm (for UL 514 B) |

### Environmental and real-life conditions

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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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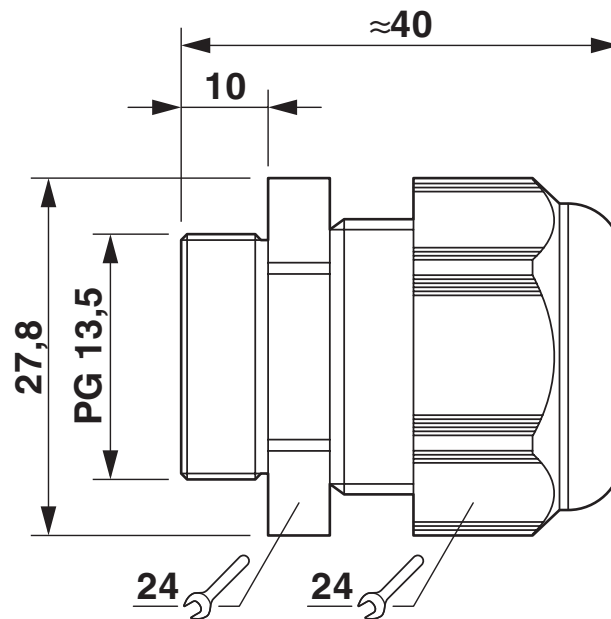
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424498>

### DNV

Approval ID: TAE00003WX



### 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 9.0 | 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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