

**INDUSTRIAL COMPONENT DATA**

# G-INS-M12-S68N-PNES-BK 1411131 PHOENIX CONTACT

## Cable gland

Brand: PHOENIX CONTACT | Manufacturer Part Number: G-INS-M12-S68N-PNES-BK



|                 |                        |
|-----------------|------------------------|
| Manufacturer    | PHOENIX CONTACT        |
| MPN / Reference | G-INS-M12-S68N-PNES-BK |
| Catalog number  | 1411131                |
| Category        | Cable gland            |
| Minimum order   | 10 Pcs                 |
| Document ID     | EO-7F18702CD9          |
| Generated       | 2026-08-05             |

### Product Overview

Cable gland

Cable gland, screwed connection material: PA, outer diameter of the cable 3 mm ... 6.5 mm, shielding: no, connection thread: M12 x 1.5, colour: deep black RAL 9005

Cable gland, material for screw connection: PA, application: Standard, external cable diameter 3 mm ... 6.5 mm, shielding: no, connecting thread: M12 x 1.5, color: jet black RAL 9005

**STRUCTURED PRODUCT DATA**

### Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

### Classification & Catalog Path

Catalog path      PHOENIX CONTACT &gt; Industrial plug-in connectors/interfaces

### Additional Product Information

Technical dataMountingAssembly 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 propertiesProduct type Cable screw gland

Application Standard

No. of conductors 1

Manufacturer BIMED

Manufacturer Designation BM-2S

Shielded no

Execution of the strain relief A

Data management status

Article revision 00

CharacteristicsCategory of shock impact 2

Design, Strain relief A

DimensionsDimensional drawing

Length 32 mm

Length of the connecting thread 8 mm

Hole diameter 12.1 mm ... 12.2 mm

Wrench size, union nut 15 mm

Wrench size, support 15 mm

Hexagon angular dimension 17.1 mm

Thread type connection side M12 x 1.5

Thread pitch 1.5 mm

Connection dataTightening torque 2 Nm  $\pm$ 0.5 Nm (Cap nut)

1 Nm (Support sleeve)

Material specificationsColor black (RAL 9005)

Material Housing PA (Housing)

Flammability rating according to UL 94 V2

Seal material Cable seal CR

Material for screw connection PA

Cable/lineExternal cable diameter Cable 1 3 mm ... 6.5 mm

External cable diameter 3 mm ... 6.5 mm (for UL 514 B)

Halogen-free no

Environmental and real-life conditionsAmbient 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)

ETIM for 1411131 Cable glands and cable entry products (EC000441)

Feature Name

Feature Value

Thread type (EF001758)

Metric

Nominal thread size inch/gas pipe thread (EF007838)

Other

Thre...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / G-INS-M12-S68N-PNES-BK with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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