

# G-INS-M12-S68N-PNES-LG - Cable gland



1417652

<https://www.phoenixcontact.com/us/products/1417652>

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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: lightgrey RAL 7035

## Your advantages

- Plastic material conforms to UL 746C f1

## Commercial data

Item number	1417652
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BF68
Product key	BF7DCX
Catalog page	Page 686 (C-2-2019)
GTIN	4055626120959
Weight per piece (including packing)	3.75 g
Weight per piece (excluding packing)	3.338 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
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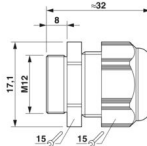
### Product properties

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

### Characteristics

Category of shock impact	2
Design, Strain relief	A

### Dimensions

Dimensional 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 data

Tightening torque	2 Nm $\pm$ 0.5 Nm (Cap nut)
	1 Nm (Support sleeve)

### Material specifications

Color	light grey (RAL 7035)
Flammability rating according to UL 94	V2
Seal material Cable seal	CR
Material for screw connection	PA

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## Cable/line

External cable diameter Cable 1	3 mm ... 6.5 mm
External cable diameter	3 mm ... 6.5 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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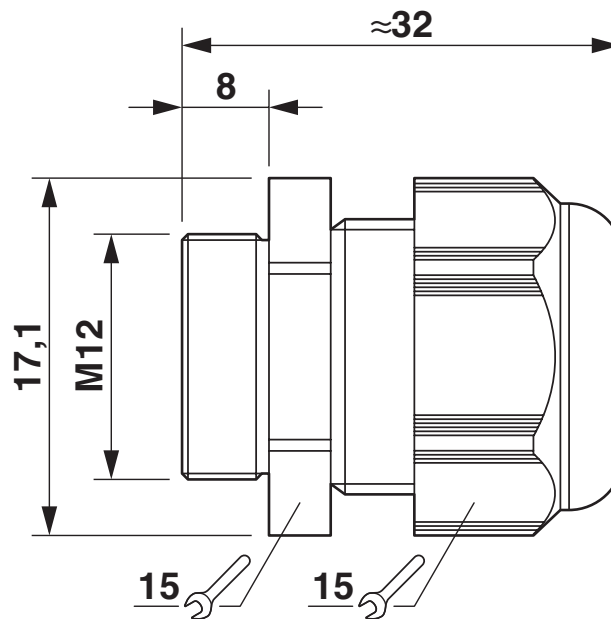
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1417652>




DNV

Approval ID: TAE00003WX




cUL Recognized

Approval ID: E199260



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cULus Recognized

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## Classifications

### ECLASS

ECLASS-11.0	27144432
ECLASS-12.0	27140801
ECLASS-13.0	27140801

### ETIM

ETIM 9.0	EC000441
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### 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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## Accessories

### A-INL-M12-P-LG - Counter nut

1417659

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Counter nut, for threads M12 x 1.5, color: light grey



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### SEALING PLUG 5X12 RD - Closing cap

1400253

<https://www.phoenixcontact.com/us/products/1400253>

Closing cap, color: red



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