

# G-INS-M12-S68N-NNES-S - Cable gland

1411160

<https://www.phoenixcontact.com/us/products/1411160>



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Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 3 mm ... 6.5 mm, shielding: no, connecting thread: M12 x 1.5, color: silver, with O-ring

## Commercial data

Item number	1411160
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BF68
Product key	BF7DAX
Catalog page	Page 688 (C-2-2019)
GTIN	4046356922968
Weight per piece (including packing)	12.91 g
Weight per piece (excluding packing)	12.91 g
Customs tariff number	74198090
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	BMBC-0S
Shielded	no
Execution of the strain relief	A

### Characteristics

Category of shock impact	5
Design, Strain relief	A

### Dimensions

Dimensional drawing	
Length	27 mm
Length of the connecting thread	6 mm
Hole diameter	12.1 mm ... 12.3 mm
Wrench size, union nut	14 mm
Wrench size, support	14 mm
Hexagon angular dimension	15.5 mm
Thread type connection side	M12 x 1.5
Thread pitch	1.5 mm

### Connection data

Tightening torque	5 Nm $\pm 0.5$ Nm (Cap nut) 3 Nm (Support sleeve)
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### Material specifications

Color	Brass
Material Compression ring	PA 6
Seal material O-ring	Perbunan
Seal material Cable seal	CR

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Material for screw connection	Brass, nickel-plated
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## Cable/line

External cable diameter Cable 1	3 mm ... 6.5 mm
External cable diameter	4 mm ... 6.5 mm (for UL 514 B)
Halogen-free	no

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66 IP68 (5 bar, 30 min.) IP69 (DIN EN 60529 / IEC 60529)
Enclosure rating (NEMA)	4X
Ambient temperature (operation)	-40 °C ... 100 °C (static)

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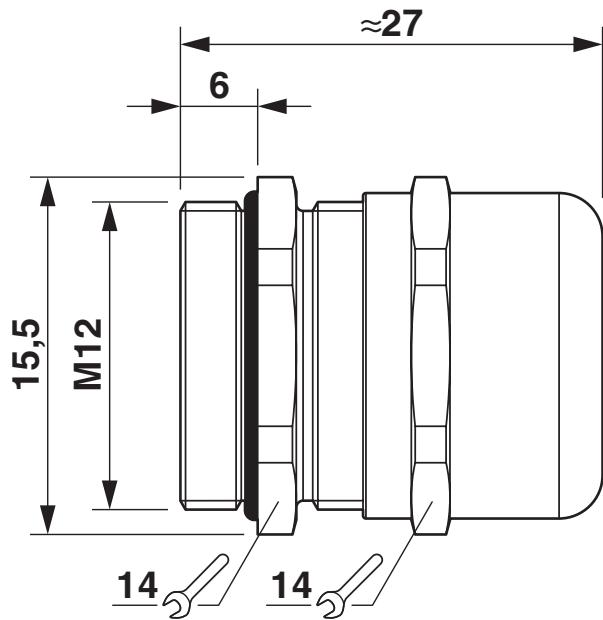
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411160>

**DNV**

Approval ID: TAE00003WY



**cUL Recognized**

Approval ID: E199260



**UL Recognized**

Approval ID: E199260

**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
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	c33cf4bb-5f69-474f-b693-bbb979f5d912

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## Accessories

### A-INL-M12-N-S - Counter nut

1411240

<https://www.phoenixcontact.com/us/products/1411240>

Counter nut, for threads M12 x 1.5, color: silver



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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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