

# G-ESISEC-M12-S68N-NEPDS-S - Cable gland



1415148

<https://www.phoenixcontact.com/us/products/1415148>

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Cable gland, material for screw connection: Brass, nickel-plated, application: Ex, external cable diameter 4 mm ... 7 mm, shielding: yes, connecting thread: M12 x 1.5, color: silver-colored, with O-ring

The figure shows the G-ESIS-M25-M68N-NEPDS-S version

## Your advantages

- Dust protection during storage and transport provided by a dust cap.
- Weatherproof sealing material
- Halogen-free

## Commercial data

Item number	1415148
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BF68
Product key	AF7DDX
GTIN	4055626037929
Weight per piece (including packing)	28.78 g
Weight per piece (excluding packing)	27.39 g
Customs tariff number	74198090
Country of origin	DE

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## Technical data

### Mounting

Assembly note	Mounting the screw connection: <ul style="list-style-type: none"><li>- Mount cable gland support</li><li>- Strip outer cable sheath. Expose around 7 mm of the cable shield.</li><li>- Push the outer cone over the braided shield</li><li>- Push the inner cone under the shield</li><li>- Insert both, together with the cable, in the mounted screw connection support</li><li>- Tighten union nut with the required torque</li></ul>
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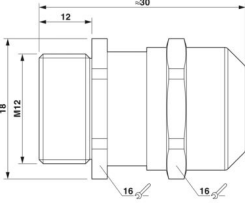
### Product properties

Product type	Cable screw gland
Application	Ex
No. of conductors	1
Manufacturer	WISKA
Manufacturer Designation	EMSKE-L 12 EMV-Z
Shielded	yes

### Ex data

Cable types that can be used	for unarmored cables
Suited for EX-applications	yes

### Dimensions

Dimensional drawing	
Length	30 mm
Length of the connecting thread	12 mm
Hole diameter	12.1 mm ... 12.3 mm
Wrench size, union nut	16 mm
Wrench size, support	16 mm
Hexagon angular dimension	18 mm
Thread type connection side	M12 x 1.5
Thread pitch	1.5 mm

### Connection data

Tightening torque	4 Nm (Support sleeve)
	4 Nm (Union nut)

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## Material specifications

Color	brass color
Material Compression ring	PA
Seal material Cable seal	EPDM
Material for screw connection	Brass, nickel-plated

## Cable/line

External cable diameter	4 mm ... 7 mm
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66
	IP68 (5 bar / 0.5 h)
Ambient temperature (operation)	-40 °C ... 75 °C (static)

## Approvals

ATEX	II 2 G/D EEx e II IP68
IECEX	Ex e IIC Gb, Ex tb IIIC Db

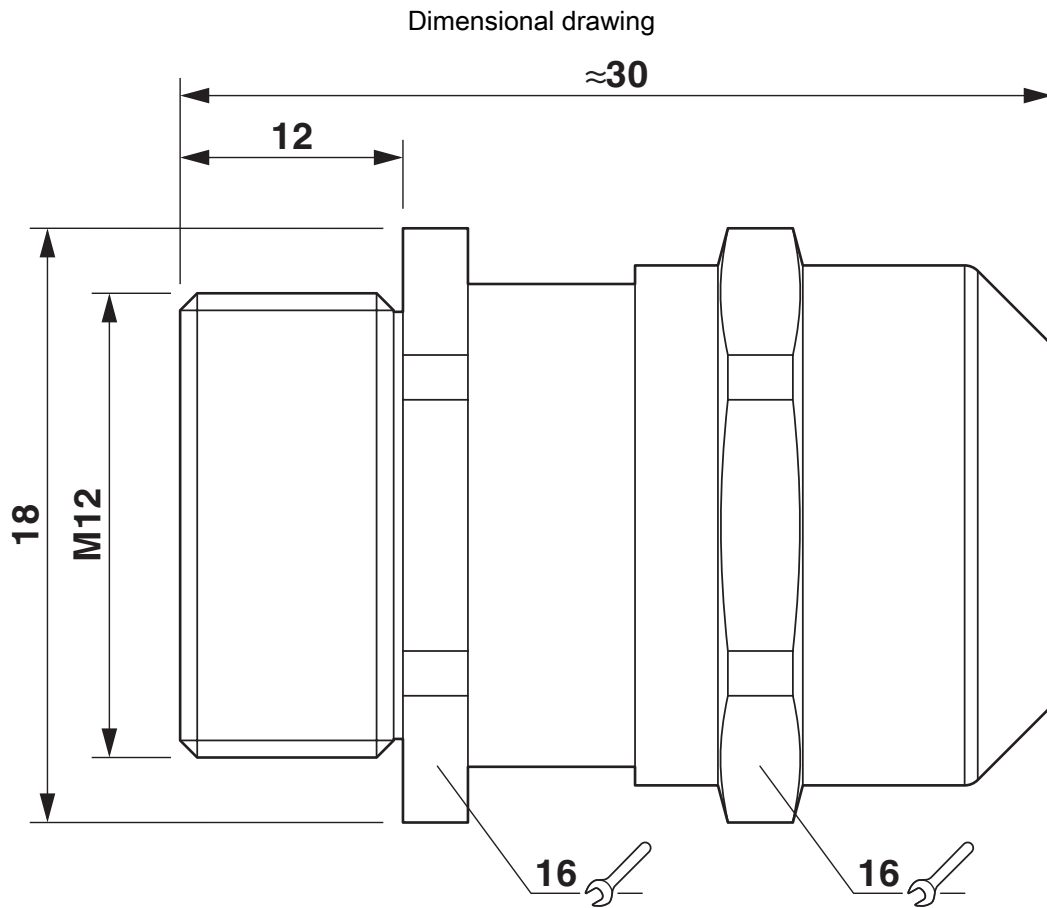
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## Drawings



# G-ESISEC-M12-S68N-NEPDS-S - Cable gland



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1415148>



**cUL Recognized**  
Approval ID: E179850



**UL Recognized**  
Approval ID: E179850



**EAC Ex**  
Approval ID: RU C-DE.HA67.B.00120



**GL**  
Approval ID: 20259-04 HH



**IECEx**  
Approval ID: IECEx PTB 13.0027X



**ATEX**  
Approval ID: PTB 04 ATEX 1112 X

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## Classifications

### ECLASS

ECLASS-13.0	27140802
ECLASS-15.0	27140802

### ETIM

ETIM 10.0	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	0c249f6b-a765-422a-8f91-447893372548

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