

# G-INS-M20-S68N-NNES-S - Cable gland



1411163

<https://www.phoenixcontact.com/us/products/1411163>

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Cable gland, material for screw connection: Brass, nickel-plated, application: Standard, external cable diameter 6 mm ... 12 mm, shielding: no, connecting thread: M20 x 1.5, color: silver-colored, with O-ring

## Commercial data

Item number	1411163
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF68
Product key	AF7DAX
GTIN	4046356922982
Weight per piece (including packing)	29.2 g
Weight per piece (excluding packing)	29.28 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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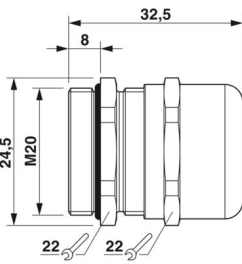
### Product properties

Product type	Cable screw gland
Application	Standard
No. of conductors	1
Manufacturer	BIMED
Manufacturer Designation	BMBC-02
Shielded	no
Execution of the strain relief	A

### Characteristics

Category of shock impact	6
Design, Strain relief	A

### Dimensions

Dimensional drawing	
Length	37 mm
Length of the connecting thread	8 mm
Hole diameter	20.1 mm ... 20.3 mm
Wrench size, union nut	22 mm
Wrench size, support	22 mm
Hexagon angular dimension	24.5 mm
Thread type connection side	M20 x 1.5
Thread pitch	1.5 mm

### Connection data

Tightening torque	8 Nm $\pm$ 0.5 Nm (Cap nut) 5.5 Nm (Support sleeve)
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### Material specifications

Color	brass color
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Material Compression ring	PA 6
Seal material O-ring	Perbunan
Seal material Cable seal	CR
Material for screw connection	Brass, nickel-plated

## Cable/line

External cable diameter Cable 1	6 mm ... 12 mm
External cable diameter	10 mm ... 12 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)

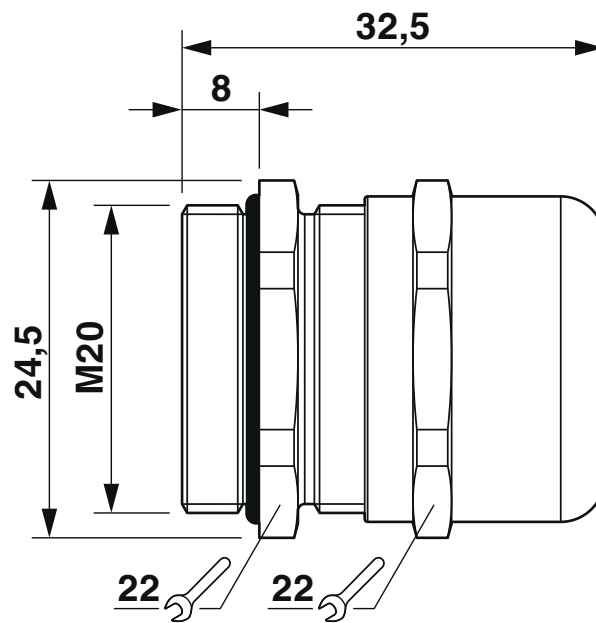
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411163>

### **DNV**

Approval ID: TAE00003WY



### **UL Listed**

Approval ID: E199260



### **cUL Listed**

Approval ID: E199260

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## Classifications

### ECLASS

ECLASS-13.0	27140801
ECLASS-15.0	27140801

### 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	5a7d5083-b27a-4155-ab7a-3b0d98e0c179

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