

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



1411131  
<https://www.phoenixcontact.com/us/products/1411131>

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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: jet black RAL 9005

## Your advantages

- Plastic material conforms to UL 746C f1

## Commercial data

Item number	1411131
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	BF68
Product key	AF7DCX
GTIN	4046356922630
Weight per piece (including packing)	3.75 g
Weight per piece (excluding packing)	3.435 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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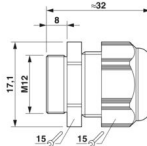
### Product properties

Product type	Cable screw gland
Application	Standard
No. of conductors	1
Manufacturer	BIMED
Manufacturer Designation	BM-2S
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)
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### Material specifications

Color	black (RAL 9005)
Material Housing	PA (Housing)
Flammability rating according to UL 94	V2
Seal material Cable seal	CR

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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)
Halogen-free	no

## 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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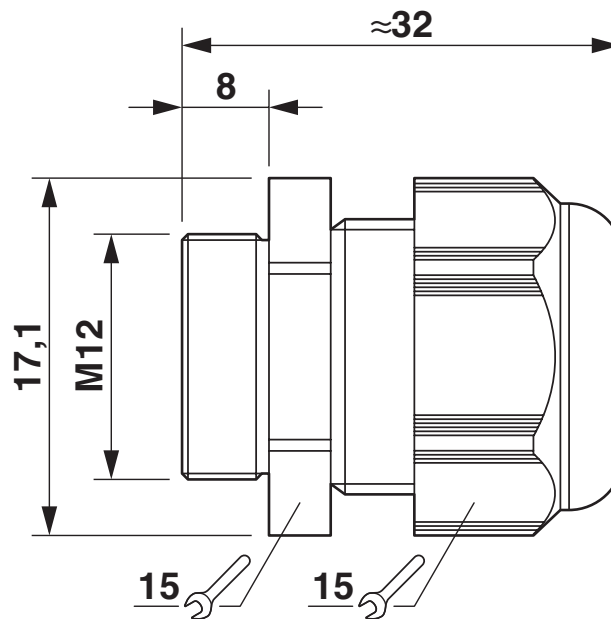
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411131>

### DNV

Approval ID: TAE00003WX



### CSA

Approval ID: 115116



### cUL Recognized

Approval ID: E199260



### UL Recognized

Approval ID: E199260



### VDE approval of drawings

Approval ID: 40024418

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## Classifications

### ECLASS

ECLASS-13.0	27140801
ECLASS-15.0	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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