

# G-INS-M20-M68N-PNES-BK - Cable gland



1424481

<https://www.phoenixcontact.com/us/products/1424481>

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Cable gland, material for screw connection: PA, application: Standard, external cable diameter 10 mm ... 14 mm, shielding: no, connecting thread: M20 x 1.5, color: jet black RAL 9005

## Your advantages

- Plastic material conforms to UL 746C f1

## Commercial data

Item number	1424481
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BF68
Product key	BF7DCX
Catalog page	Page 686 (C-2-2019)
GTIN	4055626373119
Weight per piece (including packing)	13.61 g
Weight per piece (excluding packing)	13 g
Customs tariff number	39269097
Country of origin	TR

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## Technical data

### Product properties

Product type	Cable screw gland
Application	Standard
No. of conductors	1
Manufacturer	BIMED
Manufacturer Designation	BM-23
Shielded	no
Execution of the strain relief	A

### Dimensions

Dimensional drawing	
Length	42 mm
Length of the connecting thread	10 mm
Hole diameter	20.1 mm ... 20.2 mm
Wrench size, union nut	27 mm
Wrench size, support	27 mm
Hexagon angular dimension	27.8 mm
Thread type connection side	M20 x 1.5
Thread pitch	1.5 mm

### Material specifications

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

### Cable/line

External cable diameter Cable 1	10 mm ... 14 mm
External cable diameter	10 mm ... 14 mm (for UL 514 B)

### Characteristics

Category of shock impact	2
Design, Strain relief	A

### Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP66

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	IP68 (5 bar / 0.5 h)
Enclosure rating (NEMA)	1
	4
	4X
	12
	13
Ambient temperature (operation)	-40 °C ... 100 °C (static)

## Mounting

Assembly instructions	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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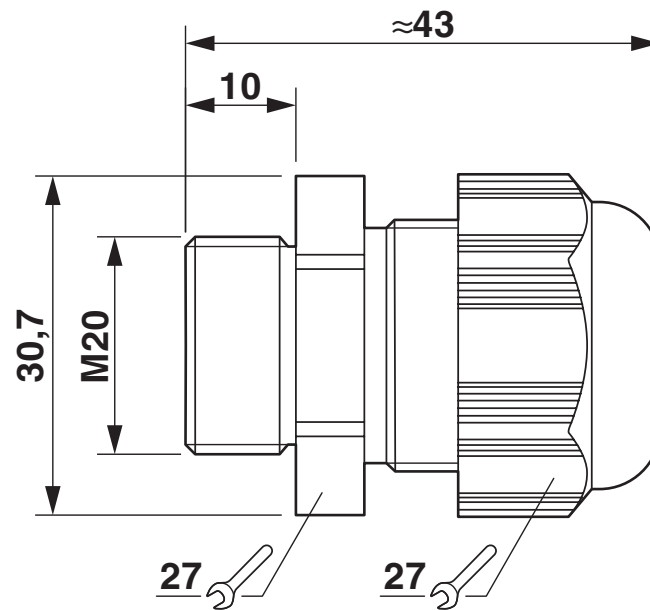
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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424481>



**CSA**  
Approval ID: 115116



**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, 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-M20-P-BK - Counter nut

1411215

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Counter nut, for threads M20 x 1.5, color: jet black



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### SEALING PLUG 9X16 RD - Closing cap

1400259

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Closing cap, color: red



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