

G-INS-M20-M68N-PNES-GY - Cable gland



1424476

<https://www.phoenixcontact.com/us/products/1424476>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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: silver-gray RAL 7001

Your advantages

- Plastic material conforms to UL 746C f1

Commercial data

Item number	1424476
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF68
Product key	AF7DCX
GTIN	4055626372662
Weight per piece (including packing)	13.55 g
Weight per piece (excluding packing)	11.537 g
Customs tariff number	39269097
Country of origin	TR

G-INS-M20-M68N-PNES-GY - Cable gland



1424476

<https://www.phoenixcontact.com/us/products/1424476>

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
---------------	---

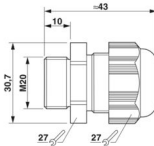
Product properties

Product type	Cable screw gland
Application	Standard
No. of conductors	1
Manufacturer	BIMED
Manufacturer Designation	BM-03
Shielded	no
Execution of the strain relief	A

Characteristics

Category of shock impact	2
Design, 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

Connection data

Tightening torque	5.5 Nm $\pm$ 0.5 Nm (Cap nut)
	3.5 Nm (Support sleeve)

Material specifications

Color	silver gray (RAL 7001)
Flammability rating according to UL 94	V2
Seal material Cable seal	CR
Material for screw connection	PA

G-INS-M20-M68N-PNES-GY - Cable gland



1424476

<https://www.phoenixcontact.com/us/products/1424476>

Cable/line

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

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)

G-INS-M20-M68N-PNES-GY - Cable gland

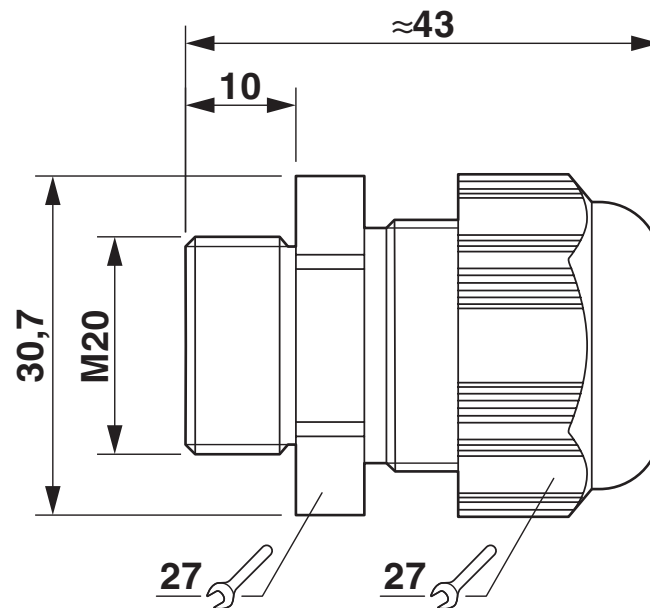
1424476

<https://www.phoenixcontact.com/us/products/1424476>



Drawings

Dimensional drawing



Dimensional drawing

G-INS-M20-M68N-PNES-GY - Cable gland



1424476

<https://www.phoenixcontact.com/us/products/1424476>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424476>

DNV

Approval ID: TAE00003WX



CSA

Approval ID: 115116



UL Listed

Approval ID: E199260



cUL Listed

Approval ID: E199260

G-INS-M20-M68N-PNES-GY - Cable gland



1424476

<https://www.phoenixcontact.com/us/products/1424476>

Classifications

ECLASS

ECLASS-13.0	27140801
ECLASS-15.0	27140801

ETIM

ETIM 10.0	EC000441
-----------	----------

UNSPSC

UNSPSC 21.0	39121300
-------------	----------

G-INS-M20-M68N-PNES-GY - Cable gland



1424476
<https://www.phoenixcontact.com/us/products/1424476>

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%
EF3.1 Climate Change	
CO2e kg	0.07 kg CO2e

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com