



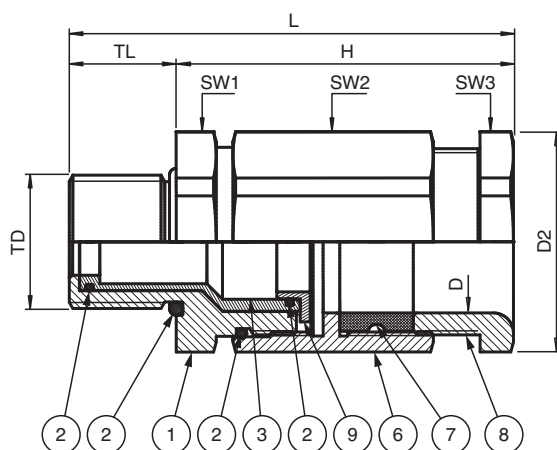
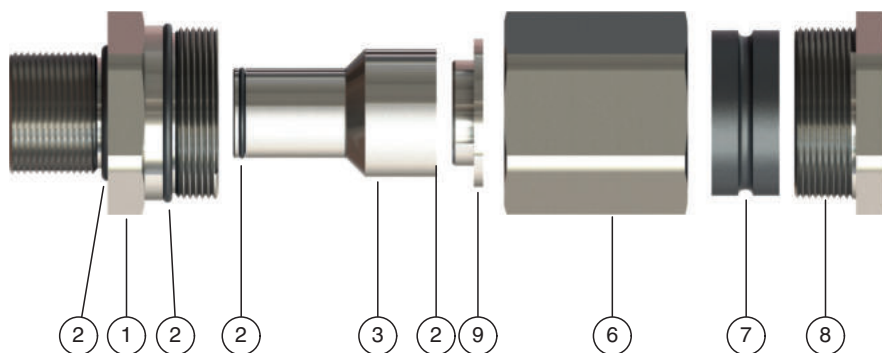
Cable Glands, Metal, Barrier Glands for non-armored Cables

CG.BN.M50.BN.S.16.K01

- For cables without armor
- Barrier gland
- Brass nickel-plated
- Thread M50
- Seal silicone
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Packaging unit: 1 piece, kit with accessories



Assembly



Release date: 2024-12-18 Date of issue: 2024-12-18 Filename: 319422_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Assembly

Details see data table

Legend	
1	Gland body basis
2	O-Ring
3	Barrier tube
4	Armor cone (CG.BA.*)
5	Swivel braid ring (CG.BA.*)
6	Gland body
7	Seal insert
8	Pressure nut
9	Barrier pressure ring bushing (CG.BN.*)
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
SW*	Width across flats
TD	Thread size
TL	Thread length
	Barrier details in data table
CQ	Max. number of cores
DS	Core cross-section, single-core cable
DM	Total core cross-section, multi-core cable
CC	Max. total core cross-section area

Technical Data

Mechanical specifications

Cable type	non-armored cables	
Clamping range (D)		35 ... 48 mm
Thread type	metric ISO pitch 1.5 mm	
Thread size (TD)		M50
Degree of protection	IP66 / IP68	
Material		
Finish	inherent color silver	
Cable gland	brass, nickel-plated	
O-Ring	silicone	
Seal insert	silicone	
Casting compound		
Description	EP 2122 Epoxy Putty Compound must be ordered separately	
Part number	70101827	
Mass		60 g
Required amount per cable gland		90 g
Packaging units per delivery quantity cable glands		2
Cable glands per packaging unit casting compound		0.67
Mass		
Individual component	approx. 642 g	

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Technical Data

Packing unit		approx. 679 g
Dimensions		
Width across corners (D2)		64 mm
Diameter thru-hole (DT)		50 ... 50.3 mm
Number of cores (CQ)		max. 75
Core cross section, single-core cable (DS)		1.5 ... 37 mm
Total core cross section, multi-core cables (DM)		1.5 ... 37 mm
Total core cross section area (CC)		max. 1075.2 mm ²
Length outside enclosure (H)		73.2 mm
Width across flats (SW1)		58 mm
Width across flats (SW2)		58 mm
Width across flats (SW3)		58 mm
Thread length (TL)		16 mm
Total length (L)		89.2 mm
Tightening torque		
Nut torque at enclosure (SW1)		90 Nm
Nut torque 2 (SW2)		90 Nm
Nut torque 3 (SW3)		75 Nm
Ambient conditions		
Ambient temperature		-60 ... 100 °C (-76 ... 212 °F)
Data for application in connection with hazardous areas		
EU-type examination certificate		CESI 18 ATEX 037X
Marking		⚡ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
International approvals		
IECEx approval		IECEx CES 18.0030X
UKCA approval		CML 22 UKEX 1268X
CCC approval		2021312313000456
Conformity		
Degree of protection		EN 60529
CE marking		0102
General information		
Delivery quantity		1
Scope of delivery		Cable gland pair of gloves Brief instructions
Supplementary information		EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

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