



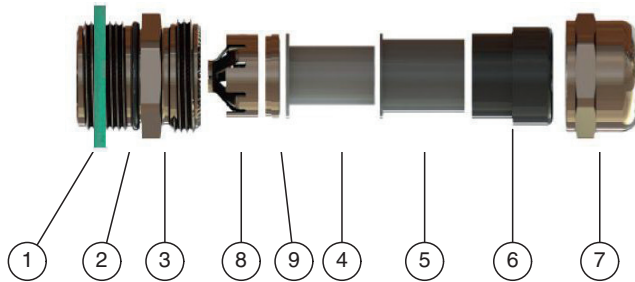
## Cable Glands, Metal, for shielded EMC Cables

CG.EM.M20.BN.C.18.K01

- For shielded EMC cables without armor
- Brass nickel-plated
- Thread M20
- Seal chloroprene
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Suitable for operation in Class I, Zone 1/2/22
- Suitable for operation in Class I, Division 2 when installed in accordance with NEC501.10(B)(2)
- Degree of protection IP66 / IP68, UL Type 4X
- Packaging unit: 1 piece, kit with accessories



### Dimensions



Release date: 2022-10-13 Date of issue: 2022-10-13 Filename: 291279\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

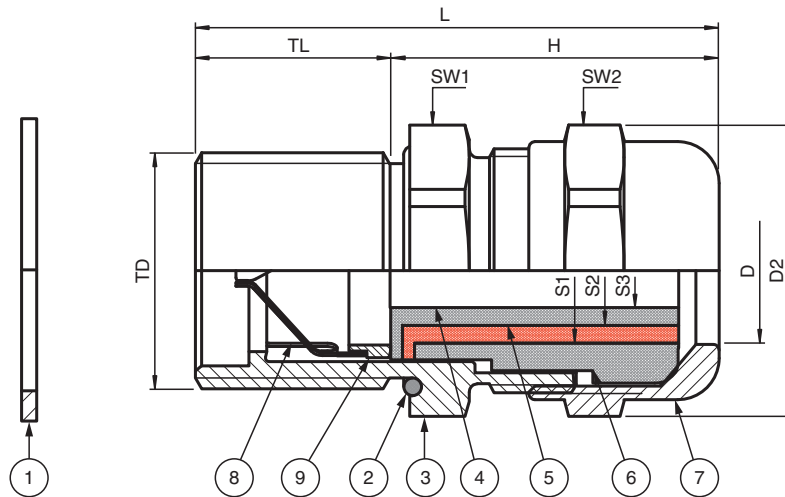
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**Dimensions**



Details see data table

Legend	
1	Washer gasket (accessory)
2	O-Ring
3	Gland body basis
4	Seal insert S3
5	Seal insert S2
6	Seal insert S1
7	Cap nut
8	EMC spring insert
9	Pressure ring
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
S*	Clamping range, seal insert combinations
SW*	Width across flats
TD	Thread size
TL	Thread length

**Technical Data**

Mechanical specifications	
Cable type	non-armored shielded EMC cables
Clamping range (D)	4 ... 12 mm
Seal combination S1	9 ... 12 mm
Seal combination S1+S2	6 ... 9 mm
Seal combination S1+S2+S3	4 ... 6 mm

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## Technical Data

Thread type	metric ISO pitch 1.5 mm
Thread size (TD)	M20
Degree of protection	IP66 / IP68 , UL Type 4X
<b>Material</b>	
Finish	inherent color silver
Cable gland	brass, nickel-plated
Washer gasket	aramid fibers bonded with NBR
O-Ring	chloroprene
Seal insert	chloroprene
<b>Mass</b>	
Individual component	approx. 56 g
Packing unit	approx. 85 g
<b>Dimensions</b>	
Width across corners (D2)	26.5 mm
Diameter thru-hole (DT)	20 ... 20.2 mm
Length outside enclosure (H)	28.5 mm
Width across flats (SW1)	24 mm
Width across flats (SW2)	20 mm
Thread length (TL)	18 mm
Total length (L)	46.5 mm
<b>Tightening torque</b>	
Nut torque at enclosure (SW1)	5.5 Nm
Nut torque 2 with seal S1 (SW2)	15 Nm
Nut torque 2 with seals S1+S2 (SW2)	18 Nm
Nut torque 2 with seals S1+S2+S3 (SW2)	20 Nm
<b>Ambient conditions</b>	
Ambient temperature	-40 ... 80 °C (-40 ... 176 °F) washer gasket -40 ... 80 °C (-40 ... 176 °F)
<b>Data for application in connection with hazardous areas</b>	
EU-type examination certificate	IMQ 14 ATEX 012X
Marking	Ⓜ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIC Db
<b>International approvals</b>	
UL approval	
cULus	E490962 tested to UL 2225 CSA 60079-7 , CSA 60079-31
IECEx approval	IECEx IMQ 14.0004X
UKCA approval	CML 21 UKEX 11380X
INMETRO approval	DNV 20.0029 X
EAC approval	RU C-DE.AA87.B.00459/20
CCC approval	2021312313000344
<b>Conformity</b>	
Degree of protection	EN 60529
<b>General information</b>	
Delivery quantity	1
Scope of delivery	Cable gland washer gasket locknut shroud PVC Earth tag 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 <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .
<b>Accessories</b>	
Sealing plugs	BP.NA.M16-M20S.PA

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