



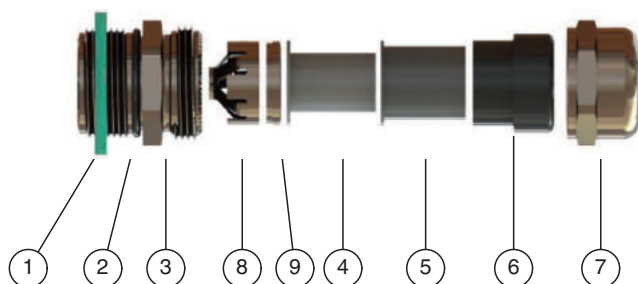
## Cable Glands, Metal, for shielded EMC Cables

CG.EM.NPT1-1/4.BN.C.20.K05

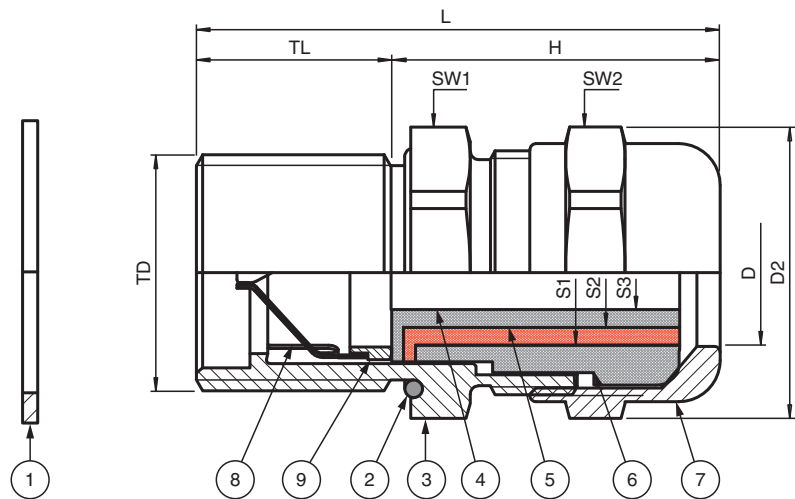
- For shielded EMC cables without armor
- Brass nickel-plated
- Thread NPT 1-1/4"
- Seal chloroprene
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Suitable for operation in Class I, Zone 1/2/22
- Suitable for operation in Class I, Division 2 when installed in accordance with NEC501.10(B)(2)
- Degree of protection IP66 / IP68, UL Type 4X
- Packaging unit: 5 pieces, without accessories



### Dimensions



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)        |                                 | 22 ... 32 mm |
| Seal combination S1       |                                 | 27 ... 32 mm |
| Seal combination S1+S2    |                                 | 24 ... 27 mm |
| Seal combination S1+S2+S3 |                                 | 22 ... 24 mm |

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

## Technical Data

|                                                                |                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thread type                                                    | NPT ANSI ASME B1.20.1                                                                                                                                                                                                                                        |
| Thread size (TD)                                               | NPT 1-1/4"                                                                                                                                                                                                                                                   |
| Degree of protection                                           | IP66 / IP68 , UL Type 4X                                                                                                                                                                                                                                     |
| Material                                                       |                                                                                                                                                                                                                                                              |
| Finish                                                         | inherent color silver                                                                                                                                                                                                                                        |
| Cable gland                                                    | brass, nickel-plated                                                                                                                                                                                                                                         |
| Washer gasket                                                  | aramid fibers bonded with NBR                                                                                                                                                                                                                                |
| O-Ring                                                         | chloroprene                                                                                                                                                                                                                                                  |
| Seal insert                                                    | chloroprene                                                                                                                                                                                                                                                  |
| Mass                                                           |                                                                                                                                                                                                                                                              |
| Individual component                                           | approx. 226 g                                                                                                                                                                                                                                                |
| Packing unit                                                   | approx. 1.24 kg                                                                                                                                                                                                                                              |
| Dimensions                                                     |                                                                                                                                                                                                                                                              |
| Width across corners (D2)                                      | 49.5 mm                                                                                                                                                                                                                                                      |
| Diameter thru-hole (DT)                                        | 42.2 ... 42.4 mm                                                                                                                                                                                                                                             |
| Length outside enclosure (H)                                   | 42.5 mm                                                                                                                                                                                                                                                      |
| Width across flats (SW1)                                       | 45 mm                                                                                                                                                                                                                                                        |
| Width across flats (SW2)                                       | 45 mm                                                                                                                                                                                                                                                        |
| Thread length (TL)                                             | 20 mm                                                                                                                                                                                                                                                        |
| Total length (L)                                               | 62.5 mm                                                                                                                                                                                                                                                      |
| Tightening torque                                              |                                                                                                                                                                                                                                                              |
| Nut torque at enclosure (SW1)                                  | 10 Nm                                                                                                                                                                                                                                                        |
| Nut torque 2 with seal S1 (SW2)                                | 45 Nm                                                                                                                                                                                                                                                        |
| Nut torque 2 with seals S1+S2 (SW2)                            | 50 Nm                                                                                                                                                                                                                                                        |
| Nut torque 2 with seals S1+S2+S3 (SW2)                         | 56 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                                                        | Ex II 2 GD<br>Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db                                                                                                                                                                                                  |
| <b>International approvals</b>                                 |                                                                                                                                                                                                                                                              |
| UL approval                                                    |                                                                                                                                                                                                                                                              |
| cULus                                                          | E490962 tested to UL 2225<br>CSA 60079-7 , CSA 60079-31                                                                                                                                                                                                      |
| IECEX approval                                                 | IECEX IMQ 14.0004X                                                                                                                                                                                                                                           |
| UKCA approval                                                  | CML 21 UKEX 11380X                                                                                                                                                                                                                                           |
| INMETRO approval                                               | DNV 20.0029 X                                                                                                                                                                                                                                                |
| CCC approval                                                   | 2021312313000344                                                                                                                                                                                                                                             |
| <b>Conformity</b>                                              |                                                                                                                                                                                                                                                              |
| Degree of protection                                           | EN 60529                                                                                                                                                                                                                                                     |
| <b>General information</b>                                     |                                                                                                                                                                                                                                                              |
| Delivery quantity                                              | 5                                                                                                                                                                                                                                                            |
| Scope of delivery                                              | Cable glands<br>Brief instructions (1 copy)                                                                                                                                                                                                                  |
| 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.M32-M40S.PA                                                                                                                                                                                                                                            |

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