



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

CG.BN.NPT1/2.SS.S.21.K15

- For cables without armor
- Barrier gland
- Stainless Steel
- Thread NPT 1/2"
- 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: 15 pieces, without accessories



## Assembly



Release date: 2024-12-18 Date of issue: 2024-12-18 Filename: 70100445\_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)                                 |                       | 8 ... 15 mm                                                |
| Thread type                                        | NPT ANSI ASME B1.20.1 |                                                            |
| Thread size (TD)                                   |                       | NPT 1/2"                                                   |
| Degree of protection                               | IP66 / IP68           |                                                            |
| Material                                           |                       |                                                            |
| Finish                                             | inherent color silver |                                                            |
| Cable gland                                        |                       | stainless steel                                            |
| O-Ring                                             | silicone              |                                                            |
| Seal insert                                        | silicone              |                                                            |
| Casting compound                                   |                       |                                                            |
| Description                                        |                       | EP 2122 Epoxy Putty<br>Compound must be ordered separately |
| Part number                                        | 70101827              |                                                            |
| Mass                                               |                       | 60 g                                                       |
| Required amount per cable gland                    |                       | 7 g                                                        |
| Packaging units per delivery quantity cable glands |                       | 2                                                          |
| Cable glands per packaging unit casting compound   |                       | 8                                                          |
| Mass                                               |                       |                                                            |
| Individual component                               | approx. 155 g         |                                                            |

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## Technical Data

|                                                                |  |                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packing unit                                                   |  | approx. 2.38 kg                                                                                                                                                                                                                                              |
| <b>Dimensions</b>                                              |  |                                                                                                                                                                                                                                                              |
| Width across corners (D2)                                      |  | 27 mm                                                                                                                                                                                                                                                        |
| Diameter thru-hole (DT)                                        |  | 21.4 ... 21.6 mm                                                                                                                                                                                                                                             |
| Number of cores (CQ)                                           |  | max. 9                                                                                                                                                                                                                                                       |
| Core cross section, single-core cable (DS)                     |  | 1.5 ... 9.5 mm                                                                                                                                                                                                                                               |
| Total core cross section, multi-core cables (DM)               |  | 1.5 ... 9.5 mm                                                                                                                                                                                                                                               |
| Total core cross section area (CC)                             |  | max. 70.9 mm <sup>2</sup>                                                                                                                                                                                                                                    |
| Length outside enclosure (H)                                   |  | 49.2 mm                                                                                                                                                                                                                                                      |
| Width across flats (SW1)                                       |  | 25 mm                                                                                                                                                                                                                                                        |
| Width across flats (SW2)                                       |  | 25 mm                                                                                                                                                                                                                                                        |
| Width across flats (SW3)                                       |  | 25 mm                                                                                                                                                                                                                                                        |
| Thread length (TL)                                             |  | 21 mm                                                                                                                                                                                                                                                        |
| Total length (L)                                               |  | 70.2 mm                                                                                                                                                                                                                                                      |
| <b>Tightening torque</b>                                       |  |                                                                                                                                                                                                                                                              |
| Nut torque at enclosure (SW1)                                  |  | 60 Nm                                                                                                                                                                                                                                                        |
| Nut torque 2 (SW2)                                             |  | 60 Nm                                                                                                                                                                                                                                                        |
| Nut torque 3 (SW3)                                             |  | 25 Nm                                                                                                                                                                                                                                                        |
| <b>Ambient conditions</b>                                      |  |                                                                                                                                                                                                                                                              |
| Ambient temperature                                            |  | -60 ... 100 °C (-76 ... 212 °F)                                                                                                                                                                                                                              |
| <b>Data for application in connection with hazardous areas</b> |  |                                                                                                                                                                                                                                                              |
| EU-type examination certificate                                |  | CESI 18 ATEX 037X                                                                                                                                                                                                                                            |
| Marking                                                        |  | ⚡ II 2 GD<br>Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db                                                                                                                                                                                                   |
| <b>International approvals</b>                                 |  |                                                                                                                                                                                                                                                              |
| IECEx approval                                                 |  | IECEx CES 18.0030X                                                                                                                                                                                                                                           |
| UKCA approval                                                  |  | CML 22 UKEX 1268X                                                                                                                                                                                                                                            |
| CCC approval                                                   |  | 2021312313000456                                                                                                                                                                                                                                             |
| <b>Conformity</b>                                              |  |                                                                                                                                                                                                                                                              |
| Degree of protection                                           |  | EN 60529                                                                                                                                                                                                                                                     |
| CE marking                                                     |  | 0102                                                                                                                                                                                                                                                         |
| <b>General information</b>                                     |  |                                                                                                                                                                                                                                                              |
| Delivery quantity                                              |  | 15                                                                                                                                                                                                                                                           |
| Scope of delivery                                              |  | Cable gland<br>pair of gloves<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> . |

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