



# Cable Glands, Metal, Barrier Glands for armored Cables

CG.BA.M50.SS.S.16.K02

- For armored cables
- Barrier gland
- Stainless Steel
- 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: 2 pieces, without accessories



## Dimensions



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

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## Dimensions

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                                         |  | 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                                        |  | 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                    |  | 90 g                                                       |
| Packaging units per delivery quantity cable glands |  | 3                                                          |
| Cable glands per packaging unit casting compound   |  | 0.67                                                       |
| Mass                                               |  |                                                            |
| Individual component                               |  | approx. 712 g                                              |

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## Technical Data

|                                                                |  |                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packing unit                                                   |  | approx. 1.7 kg                                                                                                                                                                                                                                               |
| <b>Dimensions</b>                                              |  |                                                                                                                                                                                                                                                              |
| Width across corners (D2)                                      |  | 64 mm                                                                                                                                                                                                                                                        |
| Min. armor thickness                                           |  | 1 mm                                                                                                                                                                                                                                                         |
| Max. armor thickness                                           |  | 2.5 mm                                                                                                                                                                                                                                                       |
| Min. braiding thickness                                        |  | 0.4 mm                                                                                                                                                                                                                                                       |
| Max. braiding thickness                                        |  | 1 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 <sup>2</sup>                                                                                                                                                                                                                                  |
| Length outside enclosure (H)                                   |  | 88.3 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)                                               |  | 104.3 mm                                                                                                                                                                                                                                                     |
| <b>Tightening torque</b>                                       |  |                                                                                                                                                                                                                                                              |
| Nut torque at enclosure (SW1)                                  |  | 90 Nm                                                                                                                                                                                                                                                        |
| Nut torque 2 (SW2)                                             |  | 90 Nm                                                                                                                                                                                                                                                        |
| Nut torque 3 (SW3)                                             |  | 75 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                                                        |  | Ex 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                                                   |  | 2021312313000454                                                                                                                                                                                                                                             |
| <b>Conformity</b>                                              |  |                                                                                                                                                                                                                                                              |
| Degree of protection                                           |  | EN 60529                                                                                                                                                                                                                                                     |
| CE marking                                                     |  | 0102                                                                                                                                                                                                                                                         |
| <b>General information</b>                                     |  |                                                                                                                                                                                                                                                              |
| Delivery quantity                                              |  | 2                                                                                                                                                                                                                                                            |
| 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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