



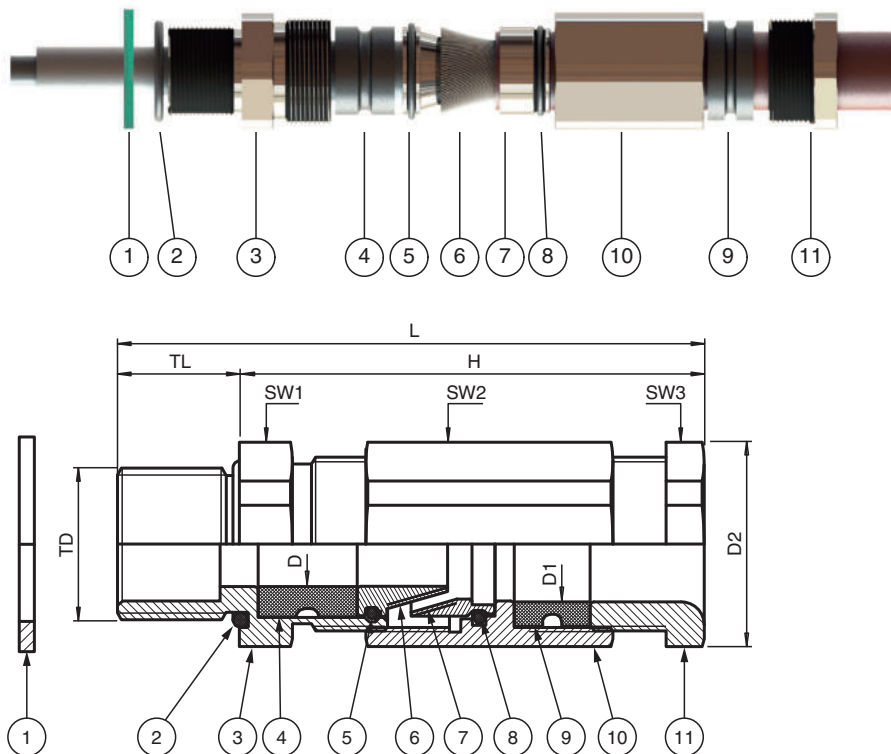
## Cable Glands, Metal, for armored Cables

CG.AR.M25S.BN.C.16.K10

- For armored cables
- Brass nickel-plated
- Thread M25
- Seal chloroprene
- Ex d, Ex e 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: 10 pieces, without accessories



### Dimensions



Release date: 2024-07-17 Date of issue: 2024-07-17 Filename: 400739\_eng.pdf

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

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## Dimensions

Details see data table

| Legend |                                                                       |
|--------|-----------------------------------------------------------------------|
| 1      | Washer gasket (accessory)                                             |
| 2      | O-Ring                                                                |
| 3      | Gland body basis                                                      |
| 4      | Inner seal insert for cable without armor                             |
| 5      | O-Ring                                                                |
| 6      | Armor cone                                                            |
| 7      | Armor tightening ring                                                 |
| 8      | O-Ring                                                                |
| 9      | Outer seal insert for cable including armor                           |
| 10     | Gland body                                                            |
| 11     | Pressure nut                                                          |
|        |                                                                       |
| D      | Clamping range, cable diameter without armor at inner seal insert     |
| D1     | Clamping range, cable sheath diameter with armor at outer seal insert |
| D2     | Width across corners                                                  |
| H      | Length outside enclosure                                              |
| L      | Total length                                                          |
| SW*    | Width across flats                                                    |
| TD     | Thread size                                                           |
| TL     | Thread length                                                         |

## Technical Data

### Mechanical specifications

|                              |                               |
|------------------------------|-------------------------------|
| Cable type                   | armored cables                |
| Clamping range (D)           | 6 ... 11 mm                   |
| Thread type                  | metric ISO pitch 1.5 mm       |
| Thread size (TD)             | M25                           |
| 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. 225 g                 |
| Packing unit                 | approx. 2.48 kg               |
| Dimensions                   |                               |
| Width across corners (D2)    | 33 mm                         |
| Min. armor thickness         | 0.4 mm                        |
| Max. armor thickness         | 1.3 mm                        |
| Diameter cable sheath (D1)   | 8 ... 15 mm                   |
| Diameter thru-hole (DT)      | 25 ... 25.2 mm                |
| Length outside enclosure (H) | 63.5 mm                       |
| Width across flats (SW1)     | 30 mm                         |
| Width across flats (SW2)     | 25 mm                         |
| Width across flats (SW3)     | 25 mm                         |
| Thread length (TL)           | 16 mm                         |

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## Technical Data

|                                                                |                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total length (L)                                               | 79 mm                                                                                                                                                                                                                                                        |
| Tightening torque                                              |                                                                                                                                                                                                                                                              |
| Nut torque at enclosure (SW1)                                  | 6 Nm                                                                                                                                                                                                                                                         |
| Nut torque 2 (SW2)                                             | 35 Nm                                                                                                                                                                                                                                                        |
| Nut torque 3 (SW3)                                             | 25 Nm                                                                                                                                                                                                                                                        |
| <b>Ambient conditions</b>                                      |                                                                                                                                                                                                                                                              |
| Ambient temperature                                            | -40 ... 80 °C (-40 ... 176 °F)<br>washer gasket -50 ... 80 °C (-58 ... 176 °F)                                                                                                                                                                               |
| <b>Data for application in connection with hazardous areas</b> |                                                                                                                                                                                                                                                              |
| EU-type examination certificate                                | CESI 14 ATEX 033X                                                                                                                                                                                                                                            |
| Marking                                                        | Ⓔ II 2 GD<br>Ex d IIC Gb<br>Ex e IIC Gb<br>Ex tb IIIC Db                                                                                                                                                                                                     |
| <b>International approvals</b>                                 |                                                                                                                                                                                                                                                              |
| UL approval                                                    |                                                                                                                                                                                                                                                              |
| cULus                                                          | E490324 tested to UL 514B<br>E490962 tested to UL 2225<br>CSA 60079-7, CSA 60079-31                                                                                                                                                                          |
| IECEX approval                                                 | IECEX CES 14.0022X                                                                                                                                                                                                                                           |
| UKCA approval                                                  | CML 22 UKEX 1266X                                                                                                                                                                                                                                            |
| INMETRO approval                                               | DNV 20.0028 X                                                                                                                                                                                                                                                |
| CCoE approval                                                  | PESO A/P/HQ/KA/104/5575 (P418742)                                                                                                                                                                                                                            |
| IA approval                                                    | MASC MS/17-2357X                                                                                                                                                                                                                                             |
| CCC approval                                                   | 2021312313000346                                                                                                                                                                                                                                             |
| <b>Conformity</b>                                              |                                                                                                                                                                                                                                                              |
| Degree of protection                                           | EN 60529                                                                                                                                                                                                                                                     |
| <b>General information</b>                                     |                                                                                                                                                                                                                                                              |
| Delivery quantity                                              | 10                                                                                                                                                                                                                                                           |
| 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> . |