



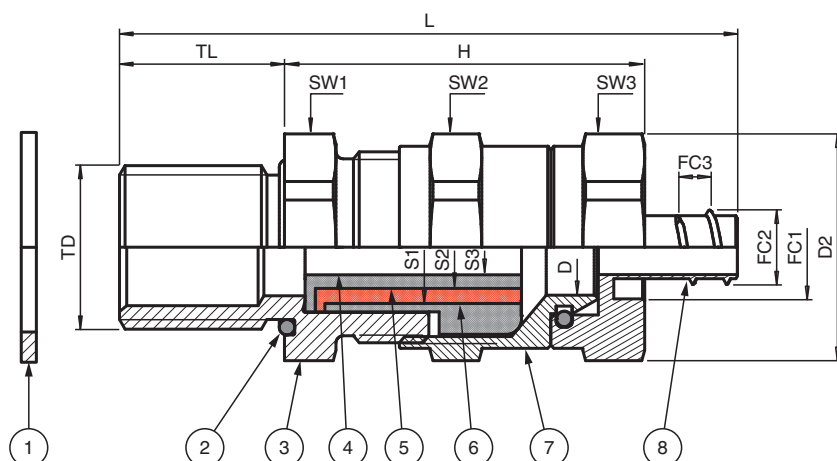
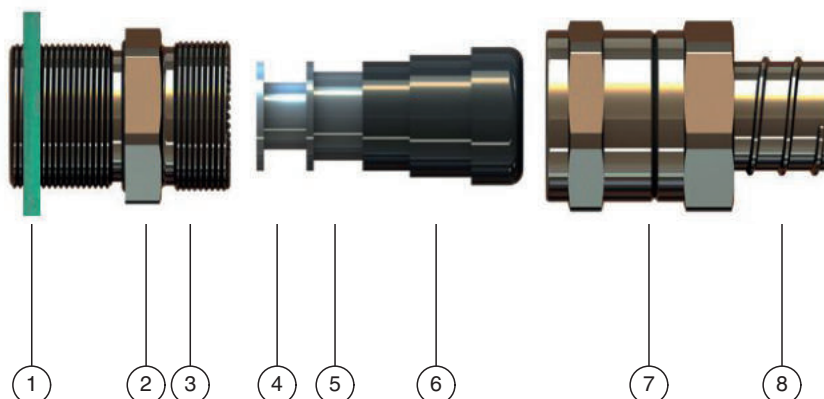
# Cable Glands, Metal, for Flexible Conduits

CG.CO.M20.BN.C.16.K01

- For cables without armor
- Connection of flexible metallic conduits
- 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
- Packaging unit: 1 piece, kit with accessories



## Dimensions



Release date: 2024-07-17 Date of issue: 2024-07-17 Filename: 291371\_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      | Seal insert S3                           |
| 5      | Seal insert S2                           |
| 6      | Seal insert S1                           |
| 7      | Connection body                          |
| 8      | Connection for flexible conduit          |
|        |                                          |
| D      | Clamping range, cable sheath diameter    |
| D2     | Width across corners                     |
| FC1    | Flexible conduit, max. outer diameter    |
| FC2    | Flexible conduit, inner diameter         |
| FC3    | Flexible conduit, corrugation size       |
| 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 cables in flexible conduit |
| 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                             |
| Thread type                                 |  | metric ISO pitch 1.5 mm                |
| Thread size (TD)                            |  | M20                                    |
| Degree of protection                        |  | IP66 / IP68                            |
| 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. 88 g                           |
| Packing unit                                |  | approx. 112 g                          |
| Dimensions                                  |  |                                        |
| Width across corners (D2)                   |  | 26.5 mm                                |
| Diameter thru-hole (DT)                     |  | 20 ... 20.2 mm                         |
| Flexible conduit, max. outer diameter (FC1) |  | 22.2 mm                                |
| Flexible conduit, inner diameter (FC2)      |  | 15 mm                                  |
| Flexible conduit, corrugation size (FC3)    |  | 4.5 mm                                 |
| Length outside enclosure (H)                |  | 39 mm                                  |

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## Technical Data

|                                                                |                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Width across flats (SW1)                                       | 22 mm                                                                                                                                                                                                                                                        |
| Width across flats (SW2)                                       | 24 mm                                                                                                                                                                                                                                                        |
| Width across flats (SW3)                                       | 24 mm                                                                                                                                                                                                                                                        |
| Thread length (TL)                                             | 16 mm                                                                                                                                                                                                                                                        |
| Total length (L)                                               | 68 mm                                                                                                                                                                                                                                                        |
| Tightening torque                                              |                                                                                                                                                                                                                                                              |
| 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)<br>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<br>Ex db IIC Gb<br>Ex eb IIC Gb<br>Ex tb IIIC Db                                                                                                                                                                                                   |
| <b>International approvals</b>                                 |                                                                                                                                                                                                                                                              |
| 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                                              | 1                                                                                                                                                                                                                                                            |
| Scope of delivery                                              | Cable gland<br>washer gasket<br>locknut<br>Earth tag<br>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> . |