**PART NUMBERS:**

1  A  L  CH  B  F
2  5
3  S
4  A

**PRODUCT DESCRIPTION:**

“ALCM” type glands are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nr and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 21 and 22 for Dust Groups IIIA, IIB and IIIc. Also certified for Zone and Division installations for use with Marine Shipboard and Tray Cables under the NEC and CE. They provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit “cold flow” characteristics. The gland maintains IP66 & IP68 to 50 metres. It is supplied with an IP O-ring seal as standard on metric entry threads. The gland features a male conduit connection thread as standard.

**COMPLIANCE STANDARDS:**

- EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
- IEC 60079-0, IEC 60079-1, IEC 60079-31 & IEC 65029

C22.2 (see certificate), CAN/CSA 60794-1/7, UL514B, UL2203, UL50SE

AN5/UL 60079-0/7, ISA 60079-31

**PRODUCT TYPE A**

**Single Compression Gland with Male Thread for Conduit Connection**

<table>
<thead>
<tr>
<th>Ex db : Ex eb : Ex nr : Ex ta</th>
<th>IP66 : IP68 : Class I Div 2 : AEx e : AEx ta</th>
</tr>
</thead>
</table>

**OPTIONS**

- **Susartner**
  - Male Conduit Connection Thread
  - M20 x 1.5mm Male Entry Thread

**NOTES**

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads.
- IP washers can be supplied for tapered entry threads.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the machining techniques and will not have a full form thread for the entire length.
- Peppers Cable Glands Limited will not be held responsible for clients’ installations where this has not been taken into account.
- Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry/order.

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**CABLE GLAND SELECTION TABLE**

<table>
<thead>
<tr>
<th>ACCESSORIES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
</tr>
<tr>
<td>Nylon (ACNSW)</td>
</tr>
<tr>
<td><strong>IP WASHERS</strong></td>
</tr>
<tr>
<td>SERRATED WASHERS</td>
</tr>
</tbody>
</table>

**EARTH TAG**

- Brass (ACBET) / Stainless Steel (ACSET) / Aluminium (ACAET)
- Brass (ACBLN) / Stainless Steel (ACSLN) / Aluminium (ACALN)
- Electroless Nickel

**OPERATING TEMP:**

- Neoprene Seals -35°C to +90°C
- Silicone Seals -60°C to +180°C
- Neoprene/Lead (2) - Silicone/Lead (3) - Neoprene/Lead (1) - Silicone/Lead (4)

**MATERIALS:**

- Aluminium, Brass or Stainless Steel
- Neoprene Seal -35°C to +90°C
- Silicone Seal -60°C to +180°C

**OPERATING TEMP:**

- Neoprene Seals -35°C to +90°C
- Silicone Seals -60°C to +180°C

**CABLE ACCEPTANCE OUTER SHEATH [D]:**

- **| Across Flat [A] | Across Cones [Kgs]|**
- **| 19.0 | 21.0 | 0.048 |
- **| 25.4 | 28.0 | 0.127 |
- **| 30.4 | 32.8 | 0.176 |
- **| 37.6 | 41.4 | 0.215 |
- **| 46.0 | 50.6 | 0.293 |
- **| 65.0 | 60.5 | 0.472 |
- **| 71.5 | 57.6 | 0.853 |
- **| 76.5 | 71.5 | 0.899 |
- **| 80.0 | 80.0 | 0.889 |
- **| 90.0 | 90.0 | 0.873 |
- **| 115.2 | 115.2 | 1.462 |
- **| 125.7 | 125.7 | 1.737 |

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**CABLING DIMENSIONS IN mm**

- **| Across Flat [A] | Across Cones [Kgs]|**
- **| 19.0 | 21.0 | 0.048 |
- **| 25.4 | 28.0 | 0.127 |
- **| 30.4 | 32.8 | 0.176 |
- **| 37.6 | 41.4 | 0.215 |
- **| 46.0 | 50.6 | 0.293 |
- **| 65.0 | 60.5 | 0.472 |
- **| 71.5 | 57.6 | 0.853 |
- **| 76.5 | 71.5 | 0.899 |
- **| 80.0 | 80.0 | 0.889 |
- **| 90.0 | 90.0 | 0.873 |
- **| 115.2 | 115.2 | 1.462 |
- **| 125.7 | 125.7 | 1.737 |

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**NOTES**

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads.
- IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non metric entry threads.
- Please refer to our “Thread Reference Tables” for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the machining techniques and will not have a full form thread for the entire length.
- Peppers Cable Glands Limited will not be held responsible for clients’ installations where this has not been taken into account.
- When selecting IP Washer material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry/order.

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**Peppers Cable Glands Ltd:**

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- **Tel: +44 (0) 1276 64232**