



*Image for illustrative purpose only*

## Summary

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[03 Series en](#)

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage | 4                                               |
| Wire Size/AWG                  | 34 - 28                                         |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                 | Threaded                                        |
| Size                           | 3                                               |
| Suggested matching part        | <a href="#">FVG.03.304.CLAC27</a>               |

[https://www.lemo.com/int\\_en/hvg-03-304-cllpv.html](https://www.lemo.com/int_en/hvg-03-304-cllpv.html)

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# Technical details

## Electrical Configuration

|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 4                             |
| Contact Termination Low voltage    | Solder                        |
| R (max)                            | 8.7 mOhm                      |
| Insert configuration value         | 3.304 - 4 Low Voltage         |
| Footprint IPC Class3 compatibility | No                            |
| Rated current                      | 2 A                           |
| Max. Solid Conductor               | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor            | 0.05 mm <sup>2</sup> (AWG 30) |
| Bucket Dia.                        | 0.4 mm (0.016in)              |
| Contact Dia.                       | 0.5 mm (0.02in)               |
| Wire Size/AWG                      | 34 - 28                       |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | HVG - Fixed socket, key (G) or key (B), round flange, nut fixing, vacuumtight                                                 |
| Socket / Receptacle    | Fixed Panel Front Mounted                                                                                                     |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system         | Threaded                                                                                                                      |
| Keying                 | G: 1 key (alpha=0, Plug: male contacts, Receptacle: female contacts)                                                          |
| Variant                | Watertight / Vacuum-tested unmated (connector to device)                                                                      |
| Weight                 | 4.47 g                                                                                                                        |

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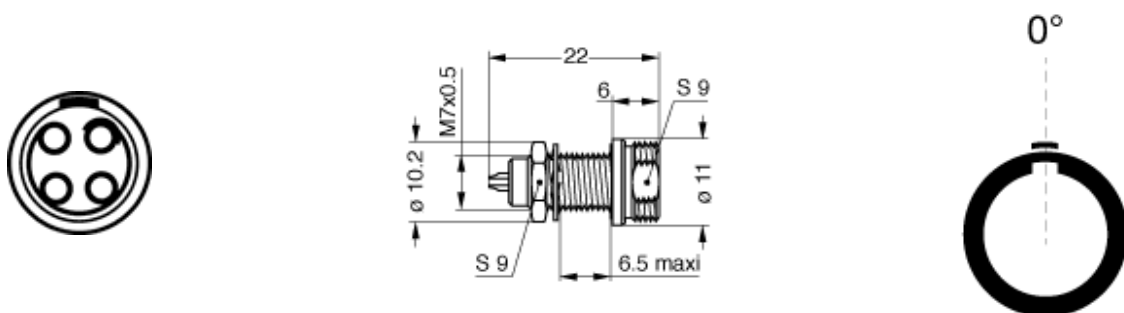
## Environment

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Environmental sealing (IP rating) | Hermetic unmated                             |
| Temperature range                 | -20°C / +100°C                               |
| Climatic Category                 | 20/200/21                                    |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]                   |
| Shielding (min)                   | 100 dB (10 MHz)                              |
| Shielding (min)                   | 80 dB (1 GHz)                                |
| Pressure                          | 60 bars (120 bars with LEMO cable assembly)  |
| R leak (He) (max)                 | 10 <sup>-7</sup> mbar·l/s (if vacuum-tested) |
| Salt Spray Corrosion              | >1000 hr                                     |

## Cable fixation

|                  |    |
|------------------|----|
| Panel Drill Hole | M7 |
|------------------|----|

# Drawings



## Dimensions

|     | A    | B    | e      | L    | E    | M    | S1   | S2   |
|-----|------|------|--------|------|------|------|------|------|
| mm. | 11   | 10.2 | M7x0.5 | 22   | 6.5  | 6    | 9    | 9    |
| in. | 0.43 | 0.4  |        | 0.87 | 0.26 | 0.24 | 0.35 | 0.35 |

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# Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                           |
|--------------------|----------|--------|---------------------------------------------------------------------------------------|
| CMN.04.T28.031PGCE | PVC      | GREY   |    |
| CMN.04.T28.031PGZE |          | grey   |    |
| CMN.04.T28.031PNCE | PVC      | Black  |    |
| CMN.04.T28.031PNZE |          |        |    |
| CMN.04.T28.031QGC  | TPR      | Grey   |                                                                                       |
| 40080              | PVC      | Black  |                                                                                       |
| 40086              | PVC      | Blue   |                                                                                       |
| 4041               | PVC      | Grey   |    |
| 4050               | PVC      | Black  |    |
| 4080               | PVC      | Grey   |                                                                                       |
| 417920             | PVC      | Grey   |  |
| 4280               | PVC      | Black  |  |
| 80080              | PVC      | Grey   |                                                                                       |
| 80082              | PVC      | Red    |                                                                                       |
| 80084              | PVC      | Black  |                                                                                       |
| CTR.75.030.121870G | PVC      | Grey   |  |

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