



*Image for illustrative purpose only*

## Summary

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|                                |                                  |
|--------------------------------|----------------------------------|
| Number of contacts Low Voltage | 3                                |
| Wire Size/AWG                  | 34 - 28                          |
| Plug                           | Plug - Straight                  |
| Locking system                 | Threaded                         |
| Size                           | 3                                |
| Suggested matching part        | <a href="#">HRG.03.303.CLLPV</a> |

[https://www.lemo.com/int\\_en/fvg-03-303-clac31.html](https://www.lemo.com/int_en/fvg-03-303-clac31.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 3                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.7 mOhm                      |
| Insert configuration value      | 03.303 - 3 Low Voltage        |
| Rated current                   | 3 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 | FVG - Straight plug with cable collet   |
| Plug                   | Straight  |
| 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)  |
| Weight                 | 7.87 g  |

## Environment

|                                   |   |
|-----------------------------------|---|
| Environmental sealing (IP rating) | IP68  |
| Temperature range                 | -20°C / +200°C (max. temperature valid for short periods of use.) |
| 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)                       |
| Salt Spray Corrosion              | >1000 hr  |

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## Cable fixation

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Cable termination protection

Standard back nut (no additional protection)

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Fixation type

Cable collet

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