



## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 16  |
| Wire Size/AWG                      | 30 - 22   |
| Gender                             | Standard  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 2.00 - 22.60 mm                                 |
| Size                               | 3K  |
| Suggested matching part            | <a href="#">FGG.3K.316.TLAC10E</a>              |
| Series                             | K - Outdoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/hgg-3k-316-tllpve.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/hgg-3k-316-tllpve.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 3K.316 - 16 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 8 A                           |
| Vtest (contact-contact)         | 1200 V (AC), 1700 V (DC)      |
| Vtest (contact-shell)           | 850 V (AC), 1200 V (DC)       |
| Contact Type                    | Solder                        |
| Max. Solid Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor         | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.9 mm (0.035in)              |
| Number of contacts Low Voltage  | 16                            |
| Wire Size/AWG                   | 30 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | HG - Fixed receptacle, nut fixing, watertight or vacuum-tight   |
| Socket / Receptacle    | Fixed Panel Front Mounted   |
| Housing material       | Stainless steel shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system         | Push-pull   |
| Keying                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                     |
| Variant                | PVE : Potted, vaccum-tested, EPDM   |
| Weight                 | 78.49 g   |

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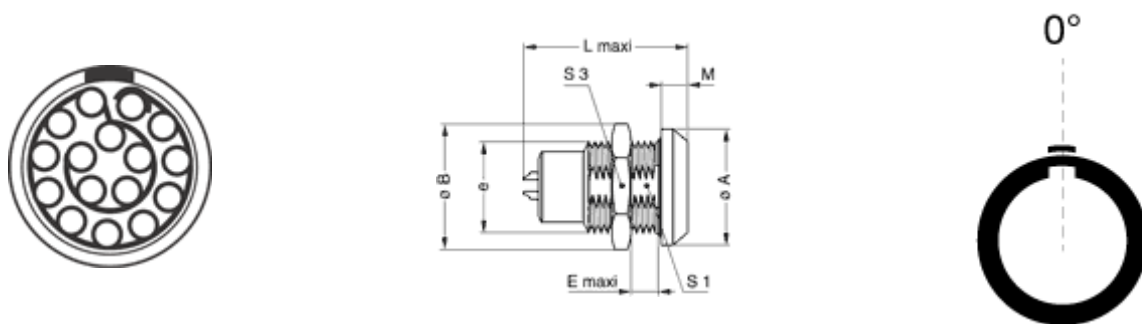
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | 5000 mating cycles  |
| Temperature range                 | -20°C / +80°C   |
| Climatical Category               | 20/80/21  |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]  |
| Shielding (min)                   | 95 dB (10 MHz)  |
| Shielding (min)                   | 80 dB (1 GHz)   |
| Shock Resistance                  | 100 g [ 6 ms]   |
| Vibration                         | 15 g [10 Hz - 2000 Hz]  |
| Pressure                          | 30 bars   |
| R leak (He) (max)                 | 0.0000001 mbar*/s (if vacuum-tested)                              |

## Cable fixation

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 2.00 - 22.60 mm |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | <b>S3</b> | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>S1</b> |
|-----|-----------|----------|----------|----------|----------|----------|----------|-----------|
| mm. | 30        | 31       | 34       | M24x1.0  | 16       | 41.7     | 6        | 22.5      |
| in. | 1.18      | 1.22     | 1.34     |          | 0.63     | 1.64     | 0.24     | 0.89      |

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# Recommended By Lemo





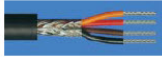





## Accessories

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## Tools

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.16.T22.076QGZE | TPR (medical) | Grey   |    |
| CMN.16.T28.059PGZE |               | grey   |    |
| CMN.16.T28.059PNZE |               |        |    |
| CMN.16.T28.070NNZZ |               |        |   |
| CMN.16.T30.047QGZE | TPR (medical) | Grey   |    |
| 116080             | PUR           | Black  |   |
| 116280             | PVC           | Black  |  |
| 16050              | PVC           | Black  |  |
| 216220             | PVC           | Black  |  |
| 216240             | PVC           | Black  |  |
| 216260             | PVC           | Black  |  |
| 316250             | PVC           | Grey   |  |

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