

*Image for illustrative purpose only*

## Summary

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|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 3  |
| Wire Size/AWG                      | 24 - 16  |
| Gender                             | Standard                                       |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                                |
| Size                               | 2T   |
| Suggested matching part            | <a href="#">FGG.2T.303.KLAC45</a>              |
| Series                             | T - Small Outdoor keyed                        |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/eeg-2t-303-kll.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/eeg-2t-303-kll.html)

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# Technical details

## Electrical Configuration

|                                 |                            |
|---------------------------------|----------------------------|
| Number of contacts Low Voltage  | 3                          |
| Contact Termination Low voltage | Solder                     |
| R (max)                         | 3.5 mOhm                   |
| Insert configuration value      | T.303 - 3 Low Voltage      |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)  |
| Rated current                   | 17 A                       |
| Vtest (contact-contact)         | 3.5 kV (DC)                |
| Vtest (contact-shell)           | 2.6 kV (DC)                |
| Max. Solid Conductor            | 1 mm <sup>2</sup> (AWG 16) |
| Max. Stranded Conductor         | 1 mm <sup>2</sup> (AWG 18) |
| Bucket Dia.                     | 1.4 mm (0.055in)           |
| Contact Dia.                    | 1.6 mm (0.063in)           |
| Wire Size/AWG                   | 24 - 16                    |
| Gender                          | Standard                   |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | EE - Fixed receptacle, nut fixing, back panel mounting  |
| Socket / Receptacle    | Fixed Panel Rear Mounted  |
| Housing material       | Brass (black chrome) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system         | Push-pull   |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Black   |
| Weight                 | 15.47 g   |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/eeg-2t-303-kl.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/eeg-2t-303-kl.html)

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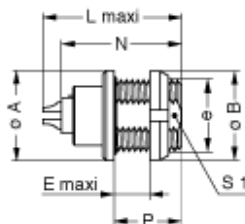
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement                       |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | >3000 mating cycles   |
| Temperature range                 | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatical Category               | 50/175/21   |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]  |
| Resistance to vibration           | 15 g [10 Hz - 2000 Hz]  |
| Shock Resistance                  | 100 g [ 6 ms]   |
| Salt Spray Corrosion              | >1000 hr  |

## Cable fixation

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>N</b> | <b>S1</b> | <b>P</b> |
|-----|----------|----------|----------|----------|----------|----------|-----------|----------|
| mm. | 18.5     | 20       | M15x1.0  | 7.5      | 26.5     | 24.6     | 13.5      | 11       |
| in. | 0.73     | 0.79     |          | 0.3      | 1.04     | 0.97     | 0.53      | 0.43     |

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# Recommended By Lemo

## Accessories

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Compatible cap

[BRE.2T.200.KAZ](#)

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image  |
|--------------------|---------------|--------|--|
| CMN.03.T18.055PGZE |               | grey   |    |
| CMN.03.T18.055PNZE |               |        |    |
| CMN.03.T18.055QGZE | TPR (medical) | Grey   |    |
| CMN.03.T20.049PGZE |               | grey   |    |
| CMN.03.T20.049PNZE |               |        |    |
| CMN.03.T28.031PGCE | PVC           | GREY   |    |
| CMN.03.T28.031PGZE |               | grey   |    |
| CMN.03.T28.031PNCE | PVC           | Black  |    |
| CMN.03.T28.031PNZE |               |        |    |
| 130240             | PVC           | Black  |     |
| 130250             | PVC           | Grey   |    |
| 230500             | PVC           | Grey   |  |
| 230750             | PVC           | Grey   |  |
| 30110              | PVC           | Grey   |   |
| 30141              | PVC           | Grey   |   |
| 30260              | PVC           | Black  |   |
| 3041               | PVC           | Grey   |  |
| 3050               | PVC           | Black  |  |
| 3081               | PVC           | Black  |  |
| 3220               | PVC           | Black  |   |
| 3280               | PVC           | Black  |   |
| 60080              | PVC           | Grey   |  |

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