



*Image for illustrative purpose only*

## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 2   |
| Wire Size/AWG                      | 22 - 14   |
| Gender                             | Reverse Gender                                  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm                                 |
| Size                               | 2B  |
| Suggested matching part            | <a href="#">FGJ.2B.302.CLLD52Z</a>              |
| Series                             | B - Indoor keyed                                |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ehj-2b-302-cla.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ehj-2b-302-cla.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 2                            |
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.3 mOhm                     |
| Insert configuration value      | 2B.302 - 2 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 20.5 A                       |
| Vtest (contact-contact)         | 3 kV (DC)                    |
| Vtest (contact-shell)           | 2.9 kV (DC)                  |
| Max. Solid Conductor            | 1.5 mm <sup>2</sup> (AWG 14) |
| Max. Stranded Conductor         | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                     | 1.8 mm (0.071in)             |
| Contact Dia.                    | 2 mm (0.079in)               |
| Wire Size/AWG                   | 22 - 14                      |
| Gender                          | Reverse Gender               |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | EH - Fixed receptacle, nut fixing and protruding shell  |
| 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         | Push-pull   |
| Keying                 | 2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts)   |
| Colour                 | Grey  |
| Weight                 | 17.62 g   |

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## Environment

|                                   |  |
|-----------------------------------|--|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50   |
| Endurance                         | 5000 mating cycles   |
| Temperature range                 | -55°C / +250°C (max. temperature valid for short periods of use.)  |
| Climatical Category               | 50/175/21  |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]   |
| Shielding (min)                   | 75 dB (10 MHz)   |
| Shielding (min)                   | 40 dB (1 GHz)  |
| Shock Resistance                  | 100 g [ 6 ms]  |
| Vibration                         | 15 g [10 Hz - 2000 Hz]   |
| Salt Spray Corrosion              | >1000 hr   |

## Cable fixation

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm |
|------------------------------------|-----------------|

## Drawings
















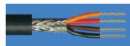







## Dimensions

|     | e       | B    | A    | L    | M    | N    | S1   | S3   | E   |
|-----|---------|------|------|------|------|------|------|------|-----|
| mm. | M15x1.0 | 19.5 | 18   | 22.7 | 12.5 | 24.6 | 13.5 | 17   | 5.1 |
| in. |         | 0.77 | 0.71 | 0.89 | 0.49 | 0.97 | 0.53 | 0.67 | 0.2 |

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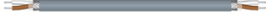
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# Cables

| Cable PartNumber   | Material      | Colour | Cable image  |
|--------------------|---------------|--------|--|
| CMN.02.T14.072PGZE |               | grey   |    |
| CMN.02.T14.072PNZE |               | black  |    |
| CMN.02.T14.072QGZE | TPR (medical) | Grey   |    |
| CMN.02.T14.078PGZE |               | grey   |    |
| CMN.02.T14.078PNZE |               |        |    |
| CMN.02.T18.064UNCU |               |        |  |
| CMN.02.T20.047PGZE |               | grey   |    |
| CMN.02.T20.047PNZE |               |        |    |
| CMN.02.T20.048QGZE | TPR (medical) | Grey   |    |
| CMN.02.T28.030PGCE | PVC           | GREY   |    |
| CMN.02.T28.030PGZE |               | grey   |  |
| CMN.02.T28.030PNCE | PVC           | Black  |  |
| CMN.02.T28.030PNZE |               |        |  |
| 102080             | PVC           | Grey   |  |
| 120184             | PVC           | Black  |  |
| 120240             | PVC           | Black  |  |
| 120250             | PVC           | Grey   |  |
| 120500             | PVC           | Grey   |  |
| 120501             | PVC           | Grey   |  |
| 120751             | PVC           | Grey   |  |
| 20140              | PVC           | Grey   |  |
| 20140              | PVC           | Grey   |  |
| 20141              | PVC           | Grey   |  |

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| Cable PartNumber | Material | Colour | Cable image  |
|------------------|----------|--------|--|
| 20142            | PVC      | Red    |    |
| 20143            | PVC      | Green  |    |
| 20144            | PVC      | Black  |    |
| 20145            | PVC      | Yellow |    |
| 20146            | PVC      | Black  |    |
| 20240            | PTFE     | White  |    |
| 20260            | PVC      | Black  |    |
| 20264            | PVC      | Black  |    |
| 20266            | PVC      | Violet |    |
| 2050             | PVC      | Black  |    |
| 20550            | PUR      | Black  |    |
| 20560            | PUR      | White  |    |
| 2080             | PVC      | Grey   |  |
| 220151           | PVC      | Grey   |  |
| 220750           | PVC      | Grey   |  |
| 2221             | PVC      | Black  |  |
| 2260             | PTFE     | White  |  |
| 2280             | PVC      | Black  |  |
| 320150           | PVC      | Grey   |  |
| 4082             | PVC      | Grey   |  |
| CMB.02.210.635   | PUR      | Black  |  |

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