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## Summary

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|                                |                                   |
|--------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 4                                 |
| Wire Size/AWG                  | 28 - 20                           |
| Gender                         | Standard                          |
| Plug                           | Plug - Fixed                      |
| Locking system                 | Snap-on                           |
| Size                           | 2B                                |
| Suggested matching part        | <a href="#">PHG.2B.304.CLLD52</a> |
| Series                         | B - Indoor keyed                  |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fag-2b-304-cla.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-2b-304-cla.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 4                            |
| Contact Termination Low voltage | Solder                       |
| R (max)                         | 3.6 mOhm                     |
| Insert configuration value      | 2B.304 - 4 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                   | 15 A                         |
| Vtest (contact-contact)         | 2.6 kV (DC)                  |
| Vtest (contact-shell)           | 2.6 kV (DC)                  |
| Max. Solid Conductor            | 0.5 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor         | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1 mm (0.039in)               |
| Contact Dia.                    | 1.3 mm (0.051in)             |
| Wire Size/AWG                   | 28 - 20                      |
| Gender                          | Standard                     |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FA - Fixed plug, non-latching, nut fixing   |
| Plug                   | Fixed   |
| 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         | Snap-on   |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  |
| Colour                 | Grey  |
| Weight                 | 18.26 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   |

## Drawings



## Dimensions

|     | S3   | A    | B    | e       | E    | L    | M    | N    | S1   |
|-----|------|------|------|---------|------|------|------|------|------|
| mm. | 17   | 18   | 19.5 | M15x1.0 | 6.0  | 28.7 | 13.8 | 23.9 | 13.5 |
| in. | 0.67 | 0.71 | 0.77 |         | 0.24 | 1.13 | 0.54 | 0.94 | 0.53 |

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# Recommended By Lemo

| Tools   |                |
|---------|----------------|
| Spanner | DCA.91.231.7TN |

# Cables

| Cable PartNumber   | Material      | Colour | Cable image  |
|--------------------|---------------|--------|--|
| CMN.04.T20.053PGZE |               | grey   |     |
| CMN.04.T20.053PNZE |               |        |     |
| CMN.04.T20.053QGZE | TPR (medical) | Grey   |     |
| CMN.04.T22.047QGC  | TPR           | Grey   |  |
| CMN.04.T22.048QGZE | TPR (medical) | Grey   |     |
| 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   |  |
| 140240             | PVC           | Black  |     |
| 140250             | PVC           | Grey   |     |
| 240500             | PVC           | Grey   |     |
| 240750             | PVC           | Grey   |   |
| 40080              | PVC           | Black  |  |
| 40086              | PVC           | Blue   |  |
| 40140              | PVC           | Black  |   |
| 40240              | PTFE          | White  |   |
| 40260              | PVC           | Black  |   |
| 4041               | PVC           | Grey   |  |
| 4050               | PVC           | Black  |   |
| 4080               | PVC           | Grey   |  |
| 417920             | PVC           | Grey   |  |
| 4220               | PVC           | Black  |   |
| 4221               | PVC           | Black  |   |
| 4260               | PTFE          | White  |   |
| 4280               | PVC           | Black  |   |
| 80080              | PVC           | Grey   |  |
| 80082              | PVC           | Red    |  |
| 80084              | PVC           | Black  |  |
| CTR.75.030.121870G | PVC           | Grey   |   |

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