



*Image for illustrative purpose only*

## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 8   |
| Protocol                           | 1000 Base-T4 (10Gb/s)                           |
| Wire Size/AWG                      | 24 - 22   |
| Gender                             | Standard  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm                                  |
| Size                               | 2B  |
| Suggested matching part            | <a href="#">FGG.2B.514.CYCD62</a>               |
| Series                             | B - Indoor keyed                                |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/pkg-2b-514-cymd62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pkg-2b-514-cymd62.html)

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# Technical details

## Electrical Configuration

|   |   |
|---|---|
| Contact Termination Low voltage             | Crimp                                       |
| Insert configuration value                  | 2B.514 - 8 High Speed, Low Voltage (CAT 6A) |
| Insulator                                   | Y: PEEK for crimp contacts                  |
| Rated current                               | 5 A   |
| Number of contacts Low Voltage              | 8   |
| Number of differentiated pairs (High speed) | 4   |
| Protocol                                    | 1000 Base-T4 (10Gb/s)                       |
| Wire Size/AWG                               | 24 - 22                                     |
| Gender                                      | Standard                                    |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | PK - Fixed receptacle, nut fixing, cable collet   |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Grey  |
| Weight                 | 30.12 g   |

## 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   |
| 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   |

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## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm                               |

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