

Special

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[BKT series](#)

|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 24  |
| Wire Size/AWG                      | 24 - 20   |
| Gender                             | Reverse Gender  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted                         |
| Locking system                     | Push-pull   |
| Jacket cable outside diameter [mm] | 4.00 - 23.60 mm   |
| Size                               | 4B  |
| Suggested matching part            | <a href="#">FGJ.4B.324.CYMD13Z</a><br><a href="#">FGJ.4B.324.CYMD10</a> |
| Series                             | B - Indoor keyed  |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/egj-4b-324-cyc.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egj-4b-324-cyc.html)

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# Technical details

## Electrical Configuration

|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 24                            |
| Contact Termination Low voltage    | Crimp                         |
| R (max)                            | 4.8 mOhm                      |
| Insert configuration value         | 4B.324 - 24 Low Voltage       |
| Footprint IPC Class3 compatibility | No                            |
| Insulator                          | Y: PEEK for crimp contacts    |
| Rated current                      | 7 A                           |
| Vtest (contact-contact)            | 2.6 kV (DC)                   |
| Vtest (contact-shell)              | 2.9 kV (DC)                   |
| Contact retention                  | 30 N                          |
| Max. Conductor                     | 0.5 mm <sup>2</sup> (AWG 20)  |
| Min. Conductor                     | 0.25 mm <sup>2</sup> (AWG 24) |
| Bucket Dia.                        | 1.1 mm (0.043in)              |
| Contact Dia.                       | 0.9 mm (0.035in)              |
| Wire Size/AWG                      | 24 - 20                       |
| Gender                             | Reverse Gender                |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | EG - Fixed receptacle, nut fixing   |
| 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                 | 64.98 g   |

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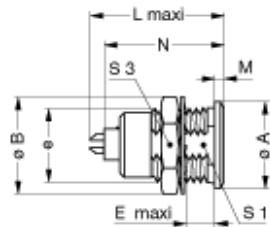
## Environment

|                                   |  |
|-----------------------------------|--|
| 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.)  |
| Climatic Category                 | 55/175/21  |
| 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] | 4.00 - 23.60 mm |
| Panel Drill Hole                   | M25             |

## Drawings



## Dimensions

|     | <b>A</b> | <b>B</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>S1</b> | <b>S3</b> | <b>N</b> | <b>M</b> |
|-----|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|
| mm. | 28       | 34       | M25x1.0  | 12       | 35.7     | 23.5      | 30        | 34.1     | 2.5      |
| in. | 1.1      | 1.34     |          | 0.47     | 1.41     | 0.93      | 1.18      | 1.34     | 0.1      |

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# Recommended By Lemo

## Accessories

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|                     |                |
|---------------------|----------------|
| Replacement contact | FGG.4B.560.ZZC |
| Compatible cap      | BRE.4S.200.NAS |

## Tools

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|                 |                |
|-----------------|----------------|
| Positionner     | DCE.91.094.BVC |
| Extraction tool | DCC.09.05B.LAG |
| Crimp tool      | DPG.91.701.V   |

## CAD

### Documents

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|       |                          |
|-------|--------------------------|
| Eplan | <a href="#">Download</a> |
|-------|--------------------------|

## Cables

| Cable PartNumber   | Material | Colour | Cable image |
|--------------------|----------|--------|-------------|
| CMN.24.T22.082PGCE | PVC      | GREY   |             |
| CMN.24.T22.082PGZE |          | grey   |             |
| CMN.24.T22.082PNCE | PVC      | Black  |             |
| CMN.24.T22.082PNZE |          |        |             |
| 224260             | PVC      | Black  |             |
| 248080             | PVC      | Grey   |             |
| 324220             | PVC      | Black  |             |
| 324240             | PVC      | Black  |             |
| 424250             | PVC      | Grey   |             |
| 524500             | PVC      | Grey   |             |
| 524750             | PVC      | Grey   |             |

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