

Special



*Image for illustrative purpose only*

## Summary

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

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Number of contacts Low Voltage     | 14                                             |
| Wire Size/AWG                      | 32 - 28                                        |
| Gender                             | Reverse Gender                                 |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Panel Drill Hole                   | M15                                            |
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm                                |
| Size                               | 2B                                             |
| Suggested matching part            | <a href="#">FGJ.2B.314.CYPD52</a>              |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ecj-2b-314-cyb.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecj-2b-314-cyb.html)

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# Technical details

## Electrical Configuration

|                                 |                                |
|---------------------------------|--------------------------------|
| Number of contacts Low Voltage  | 14                             |
| Contact Termination Low voltage | Crimp                          |
| R (max)                         | 6.1 mOhm                       |
| Insert configuration value      | 2B.314 - 14 Low Voltage        |
| Insulator                       | Y: PEEK for crimp contacts     |
| Rated current                   | 6.5 A                          |
| Test voltage contact-contact    | 2.3 kV DC                      |
| Test voltage contact-shell      | 2.9 kV DC                      |
| Contact retention               | 22 N                           |
| Max. Conductor                  | 0.09 mm <sup>2</sup> (AWG 28)  |
| Min. Conductor                  | 0.035 mm <sup>2</sup> (AWG 32) |
| Bucket Dia.                     | 0.45 mm (0.018in)              |
| Contact Dia.                    | 0.7 mm (0.028in)               |
| Wire Size/AWG                   | 32 - 28                        |
| Gender                          | Reverse Gender                 |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EC - Fixed receptacle with two nuts (back panel mounting)                                                                     |
| Socket / Receptacle    | Fixed Panel Rear 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                 | 15.45 g                                                                                                                       |
| Panel Drill Hole       | M15                                                                                                                           |

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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                                                                                                                                   |
| <b>Cable fixation</b>              |                                                                                                                                            |
| Jacket cable outside diameter [mm] | 2.00 - 13.60 mm                                                                                                                            |

# Recommended By Lemo

## Contacts

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">FGG.2B.556.ZZC</a> |
|---------------------|--------------------------------|

## Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BRE.2S.200.NAS</a>  |
| Cap 2          | <a href="#">BRE.2S.200.NAV</a>  |
| Plastic Cap    | <a href="#">BRA.2B.200.PCSG</a> |
| Soft Cap       | <a href="#">BEZ.2B.200.SCN</a>  |

## Tools

|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Spanner 2       | <a href="#">DCM.65.176.AZ6</a>                                          |
| Positionner     | <a href="#">DCE.91.072.BVC</a>                                          |
| Extraction tool | <a href="#">DCC.07.04B.LAG</a>                                          |
| Crimp tool      | <a href="#">DPC.91.701.V</a>                                            |
| Spanner wrench  | <a href="#">Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6</a> |

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.14.T28.056PGZE |               | grey   |  |
| CMN.14.T28.056PNZE |               |        |  |
| CMN.14.T28.056QGZE | TPR (medical) | Grey   |  |