

Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[BKT series](#)

[See video assembly instructions](#)

[Customer Drawing](#)

|                                    |                 |
|------------------------------------|-----------------|
| Number of contacts Low Voltage     | 3               |
| Wire Size/AWG                      | 24 - 16         |
| Gender                             | Standard        |
| Plug                               | Plug - Straight |
| Locking system                     | Push-pull       |
| Jacket cable outside diameter [mm] | 8.30 - 9.20 mm  |
| Size                               | 2B              |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-2b-303-clad92z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-303-clad92z.html)

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Suggested matching part

EGG.2B.303.CLL  
PHG.2B.303.CLLD92Z

Series

B - Indoor keyed

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# Technical details

## Electrical Configuration

|                                         |                            |
|-----------------------------------------|----------------------------|
| Number of contacts Low Voltage          | 3                          |
| Contact Termination Low voltage         | Solder                     |
| R (max) - electrical contact resistance | 3.5 mOhm                   |
| Insert configuration value              | 2B.303 - 3 Low Voltage     |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)  |
| Rated current                           | 17 A                       |
| Test voltage contact-contact            | 3.5 kV DC                  |
| Test voltage contact-shell              | 2.6 kV DC                  |
| Max. Solid Conductor                    | 1 mm <sup>2</sup> (AWG 16) |
| Max. Stranded Conductor                 | 1 mm <sup>2</sup> (AWG 18) |
| Bucket Dia.                             | 1.4 mm (0.055 in)          |
| Contact Dia.                            | 1.6 mm (0.063 in)          |
| Wire Size/AWG                           | 24 - 16                    |
| Gender                                  | Standard                   |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FG - Straight plug, cable collet and nut for fitting a bend relief                                                            |
| Plug                   | Straight                                                                                                                      |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                          |
| Colour                 | Grey                                                                                                                          |
| Variant                | Nut for fitting a bend relief                                                                                                 |
| Weight                 | 28.3 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

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 8.30 - 9.20 mm        |

# Recommended By Lemo

## Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BHY.2B.100.NAZ</a>  |
| Plastic Cap    | <a href="#">BFG.2B.100.PCSG</a> |
| Soft Cap       | <a href="#">BFZ.2B.100.SCN</a>  |

## Bend Reliefs

|                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| <a href="#">GMA.2B.080.DG</a> | <a href="#">GMA.2B.080.DA</a> | <a href="#">GMA.2B.080.DB</a> |
| <a href="#">GMA.2B.080.DJ</a> | <a href="#">GMA.2B.080.DM</a> | <a href="#">GMA.2B.080.DN</a> |
| <a href="#">GMA.2B.080.DR</a> | <a href="#">GMA.2B.080.DS</a> | <a href="#">GMA.2B.080.DV</a> |

## Tools

|                |                                  |
|----------------|----------------------------------|
| Spanner        | <a href="#">DCP.91.023.TN</a>    |
| Spanner wrench | <a href="#">DCD.2B.ZZZ.PA120</a> |

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