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## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 2                              |
| Wire Size/AWG                      | 16 - 12                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Elbow                   |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm                 |
| Size                               | 2B                             |
| Suggested matching part            | <a href="#">EGG.2B.302.CYM</a> |
| Series                             | B - Indoor keyed               |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fpg-2b-302-cycd62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fpg-2b-302-cycd62.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 2                            |
| Contact Termination Low voltage | Crimp                        |
| R (max)                         | 3.3 mOhm                     |
| Insert configuration value      | 2B.302 - 2 Low Voltage       |
| Insulator                       | Y: PEEK for crimp contacts   |
| Rated current                   | 20.5 A                       |
| Vtest (contact-contact)         | 4.1 kV (DC)                  |
| Vtest (contact-shell)           | 3.8 kV (DC)                  |
| Contact retention               | 65 N                         |
| Max. Conductor                  | 2.5 mm <sup>2</sup> (AWG 12) |
| Min. Conductor                  | 1.5 mm <sup>2</sup> (AWG 16) |
| Bucket Dia.                     | 2.4 mm (0.094in)             |
| Contact Dia.                    | 2 mm (0.079in)               |
| Wire Size/AWG                   | 16 - 12                      |
| Gender                          | Standard                     |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FP - Elbow (90°) plug with cable collet   |
| Plug                   | Elbow   |
| 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  |
| Weight                 | 45.06 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   |

## 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                               |

# Recommended By Lemo

## Accessories

|                     |                                 |
|---------------------|---------------------------------|
| Replacement contact | <a href="#">FGG.2B.575.ZZC</a>  |
| Compatible cap      | <a href="#">BFG.2B.100.PCSG</a> |





## Tools

|                 |                                  |
|-----------------|----------------------------------|
| Positionner     | <a href="#">DCE.91.202.BVCM</a>  |
| Extraction tool | <a href="#">DCC.20.25B.LAG</a>   |
| Crimp tool      | <a href="#">DPC.91.101.A</a>     |
| Spanner wrench  | <a href="#">DCD.2B.ZZZ.PA120</a> |

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# Cables

| Cable PartNumber | Material | Colour | Cable image   |
|------------------|----------|--------|---|
| 102080           | PVC      | Grey   |   |
| 120184           | PVC      | Black  |  |
| 120500           | PVC      | Grey   |  |
| 120751           | PVC      | Grey   |  |
| 220750           | PVC      | Grey   |  |

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