



*Image for illustrative purpose only*

## Summary

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|                                    |                                    |
|------------------------------------|------------------------------------|
| Number of contacts Low Voltage     | 8                                  |
| Wire Size/AWG                      | 24 - 20                            |
| Gender                             | Reverse Gender                     |
| Plug                               | Plug - Elbow                       |
| Locking system                     | Push-pull                          |
| Jacket cable outside diameter [mm] | 6.30 - 7.20 mm                     |
| Size                               | 2B                                 |
| Suggested matching part            | <a href="#">EGK.2B.308.CYC</a>     |
| Alternative part                   | <a href="#">FPK.2B.308.CYMD72Z</a> |
| Series                             | B - Indoor keyed                   |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fhk-2b-308-cymd72z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fhk-2b-308-cymd72z.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Crimp                         |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 2B.308 - 8 Low Voltage        |
| Insulator                       | Y: PEEK for crimp contacts    |
| Rated current                   | 10 A                          |
| Vtest (contact-contact)         | 1950 V (AC), 2750 V (DC)      |
| Vtest (contact-shell)           | 1950 V (AC), 2800 V (DC)      |
| Contact retention               | 30 N                          |
| Contact Type                    | Crimp                         |
| 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)              |
| Number of contacts Low Voltage  | 8                             |
| Wire Size/AWG                   | 24 - 20                       |
| Gender                          | Reverse Gender                |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FH - Elbow plug, cable collet and nut for fitting a bend relief                                                               |
| 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                 | 2 keys (alpha=52.5, plug: female contacts, receptacle: male contacts)                                                         |
| Colour                 | Grey                                                                                                                          |
| Variant                | Nut for fitting a bend relief                                                                                                 |
| Weight                 | 43.31 g                                                                                                                       |

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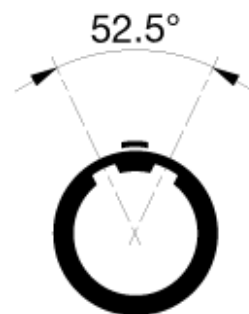
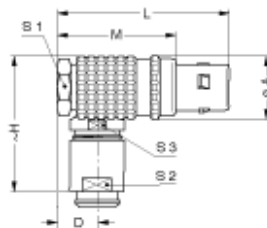
## Environment

|                                   |                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                             |
| 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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 6.30 - 7.20 mm        |

## Drawings



## Dimensions

|     | A    | D    | H    | L    | M    | S1   | S2   | S3   |
|-----|------|------|------|------|------|------|------|------|
| mm. | 16.5 | 9    | 34.3 | 41.5 | 29.5 | 14   | 12   | 14   |
| in. | 0.65 | 0.35 | 1.35 | 1.63 | 1.16 | 0.55 | 0.47 | 0.55 |

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# Recommended By Lemo

| Accessories         |                                  |
|---------------------|----------------------------------|
| Replacement contact | <a href="#">EGG.2B.660.ZZM</a>   |
| Tools               |                                  |
| Positionner         | <a href="#">DCE.91.092.BVM</a>   |
| Extraction tool     | <a href="#">DCC.09.05B.LAG</a>   |
| Crimp tool          | <a href="#">DPC.91.701.V</a>     |
| Spanner wrench      | <a href="#">DCD.2B.ZZZ.PA120</a> |

## Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                           |
|--------------------|----------|--------|---------------------------------------------------------------------------------------|
| CMN.08.T20.067PGCE | PVC      | Grey   |    |
| CMN.08.T20.067PGZE |          | grey   |    |
| CMN.08.T20.067PNZE |          |        |  |
| 108220             | PVC      | Black  |  |
| 280250             | PVC      | Grey   |  |