

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1B                             |
| Termination type | Male solder                    |
| IP rating        | 50                             |
| AWG wire size    | 30.00 - 22.00                  |
| Cable Ø          | 5.30 - 6.20 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.1B.307.CLL</a> |

### Download

[Request a quote](#)

[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FF*: Straight plug, non-latching, cable collet  |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| 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 |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.307 : 7 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps                    |

### Specifications

|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Contact Dia.:            | 0.7 mm (0.028in)              |
| Bucket Dia.:             | 0.8 mm (0.031in)              |
| Max. Stranded Conductor: | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Conductor:          | 0.34 mm <sup>2</sup> (AWG 22) |
| R (max):                 | 6.1 mOhm                      |
| Vtest (contact-shell):   | 1050 V (AC), 1490 V (DC)      |
| Vtest (contact-contact): | 950 V (AC), 1340 V (DC)       |

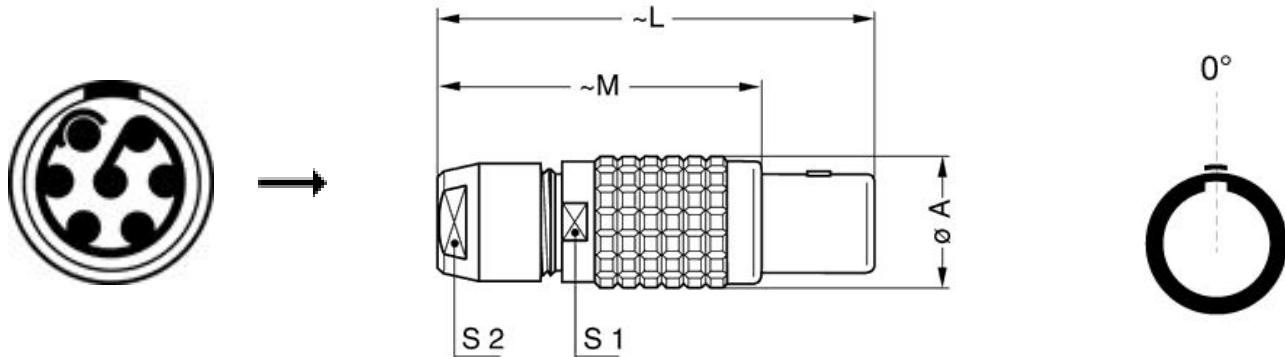
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Others

Endurance (Shell): 5000  
Temp (min / max): -55 °C / +250 °C  
Humidity (max): <=95% [at 60 deg C /140 F]  
Vibration: 15 g [10 Hz - 2000 Hz]  
Shock Resistance: 100 g [ 6 ms]  
Climatical Category: 50/175/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

---

## DRAWINGS



## Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 12   | 43   | 32   | 10   | 9    |
| in. | 0,47 | 1,69 | 1,26 | 0,39 | 0,35 |

---

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1B.015.PA090](#)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Cables

|        |     |      |  |
|--------|-----|------|--|
| 270250 | PVC | Grey |  |
|--------|-----|------|--|

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*