

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

|                  |  |
|------------------|--|
| Series           | 1B   |
| Termination type | Male crimp   |
| IP rating        | 50   |
| AWG wire size    | 26.00 - 22.00  |
| Cable Ø          | 6.30 - 7.20 mm   |
| Status           | active   |
| Matching parts   | <a href="#">EGA.1B.307.CYM</a><br><a href="#">PFA.1B.307.CYMD72Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief  |
| Keying            | 2 keys (alpha=30, 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 |
| Variant           | Z : Nut for fitting a bend relief   |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 1B.307 : 7 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 7 Amps                     |

### Specifications

- Contact Type: Crimp
- Contact Retention: 22 N
- Contact Dia.: 0.7 mm (0.028in)
- Bucket Dia.: 0.8 mm (0.031in)
- Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)
- Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)
- R (max): 6.1 mOhm
- Vtest (contact-shell): 1450 V (AC), 2050 V (DC)

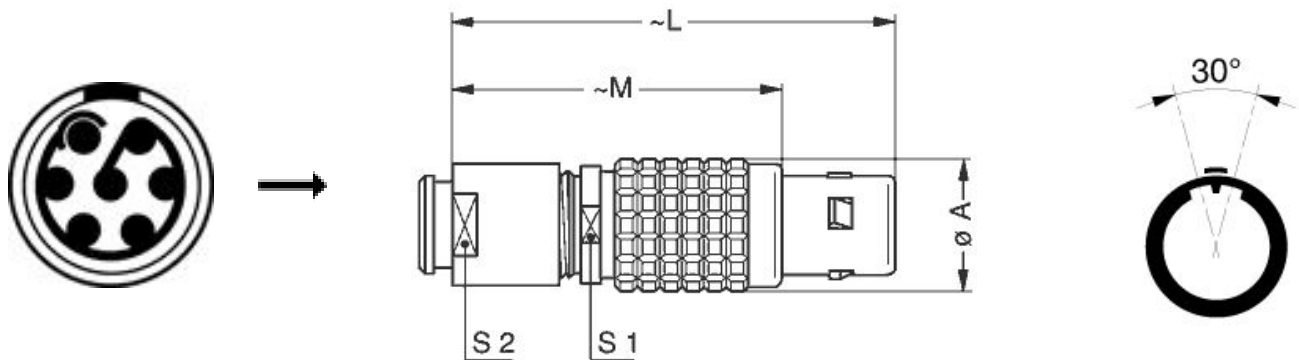
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Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

## 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   | 42   | 31   | 10   | 9    |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |

## RECOMMENDED BY LEMO

### Tools

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Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 22-24-26/6-5-5  
Positionner: [DCE.91.071.BVC](#)  
Extractor: [DCF.91.070.2LT](#)  
Replacement contact: FGG.1B.555.ZZC  
Spanner wrench: [DCD.1B.015.PA090](#)

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