

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 3B |
| Termination type | Male solder |
| IP rating | 50 |
| AWG wire size | 24.00 - 16.00 |
| Cable Ø | 4.90 - 6.20 mm |
| Status | active |
| Matching parts | EGG.3B.307.CLL |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, 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 |
| Weight | 48.90 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 3B.307 : 7 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 15 Amps |

Specifications

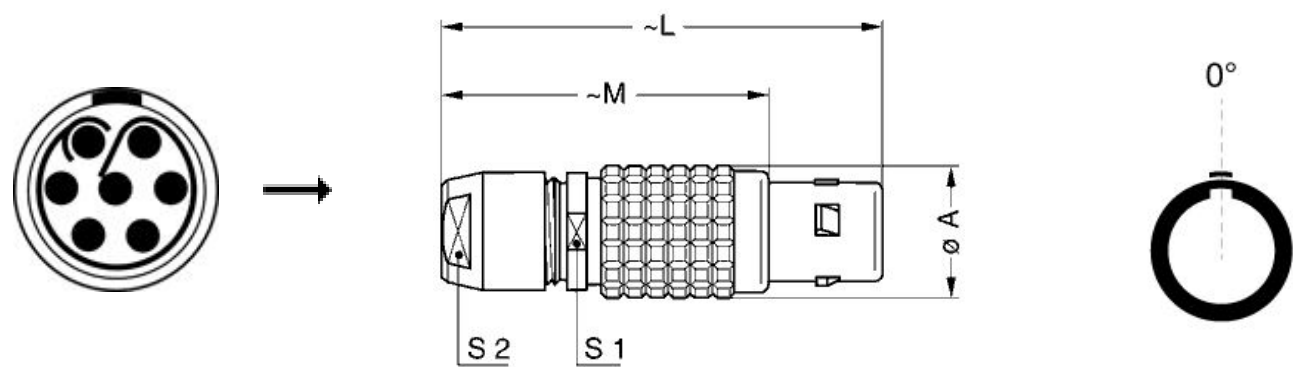
Contact Type: Solder
Contact Dia.: 1.6 mm (0.063in)
Bucket Dia.: 1.4 mm (0.055in)
Max. Solid Conductor: 1 mm² (AWG 16)
Max. Stranded Conductor: 1 mm² (AWG 18)
R (max): 3.5 mOhm
Vtest (contact-shell): 1250 V (AC), 1770 V (DC)
Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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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. | 18 | 58 | 43 | 15 | 14 |
| in. | 0,71 | 2,28 | 1,69 | 0,59 | 0,55 |






RECOMMENDED BY LEMO

Tools

- Spanner wrench: [DCD.3B.040.PA140](#)
- Caps: [BFG.3B.100.PCSG](#)

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Cables

| | | | |
|--------------------|---------------|------|---|
| CMN.07.T20.062PGZE | | Grey |  |
| CMN.07.T20.062PNZE | | |  |
| CMN.07.T20.062QGZE | TPR (medical) | Grey |  |
| 270250 | PVC | Grey |  |
| 70140 | PVC | Grey |  |

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