

SUMMARY

Wires

Low voltage 12



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 3S |
| Termination type | Male solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 9.80 - 10.50 mm |
| Status | active |
| Matching parts | ERA.3S.312.CLL |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FFA*: Straight plug, cable collet |
| Keying | Hermaphroditic keying (half moon insert) with male pin 1 |
| 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 | 55.18 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 3S.312 : 12 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 8 Amps |

Specifications

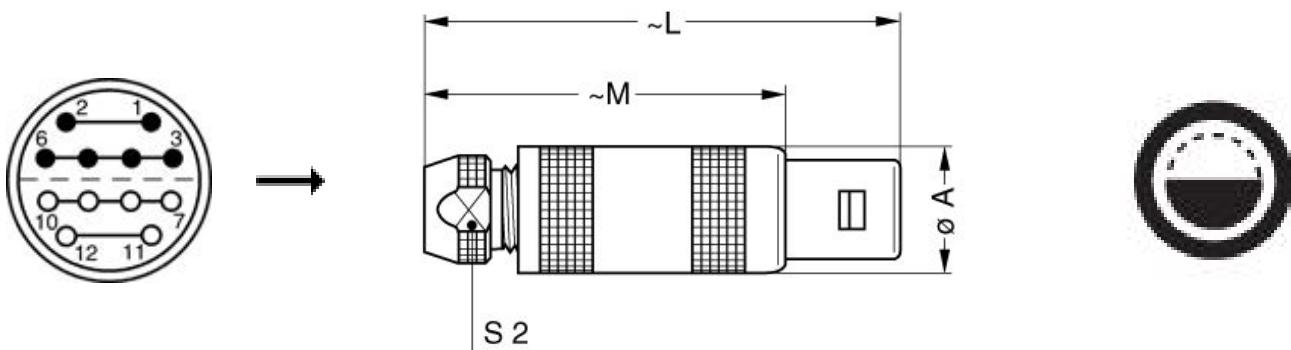
Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm
Vtest: 1500 V (AC), 2100 V (DC)

Others

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Endurance (Shell): 5000 mating cycles
 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: >144 hr

DRAWINGS



Dimensions

| | A | L | M | S2 |
|-----|------|------|------|------|
| mm. | 17.8 | 61 | 46 | 14 |
| in. | 0,70 | 2,40 | 1,81 | 0,55 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCP.91.023.TN](#)

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