

SUMMARY

Wires



| | |
|-------------|---|
| Low voltage | 2 |
|-------------|---|

Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 1S |
| Termination type | Male solder |
| IP rating | 50 |
| AWG wire size | 28.00 - 20.00 |
| Cable Ø | 5.30 - 6.20 mm |
| Status | active |
| Matching parts | ERA.1S.302.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 | 16.96 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1S.302 : 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 15 Amps |

Specifications

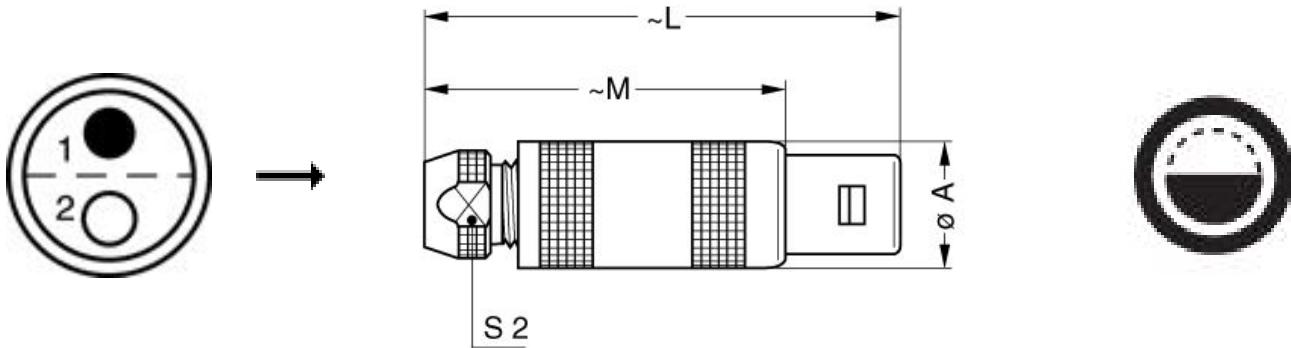
| | |
|--------------------------|------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 1.3 mm (0.051in) |
| Bucket Dia.: | 1 mm (0.039in) |
| Max. Solid Conductor: | 0.5 mm ² (AWG 20) |
| Max. Stranded Conductor: | 0.5 mm ² (AWG 20) |
| R (max): | 3.6 mOhm |
| Vtest: | 1200 V (AC), 1800 V (DC) |

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Others

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. | 12 | 42.5 | 31.5 | 8.5 |
| in. | 0,47 | 1,67 | 1,24 | 0,33 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCD.1S.015.PA085](#)

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Cables

| | | | |
|--------|-----|-------|--|
| 102080 | PVC | Grey | |
| 120184 | PVC | Black |  |
| 120500 | PVC | Grey |  |
| 120751 | PVC | Grey |  |
| 220750 | PVC | Grey |  |

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