

SUMMARY

Wires

Low voltage 16



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 1T |
| Termination type | Male solder |
| IP rating | 68 mated (mating interface) |
| AWG wire size | 34.00 - 28.00 |
| Cable Ø | 6.10 - 6.50 mm |
| Status | Active |
| Matching parts | EGG.1T.316.CLL |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief |
| 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 | 16.98 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1T.316 : 16 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 1.5 Amps |

Specifications

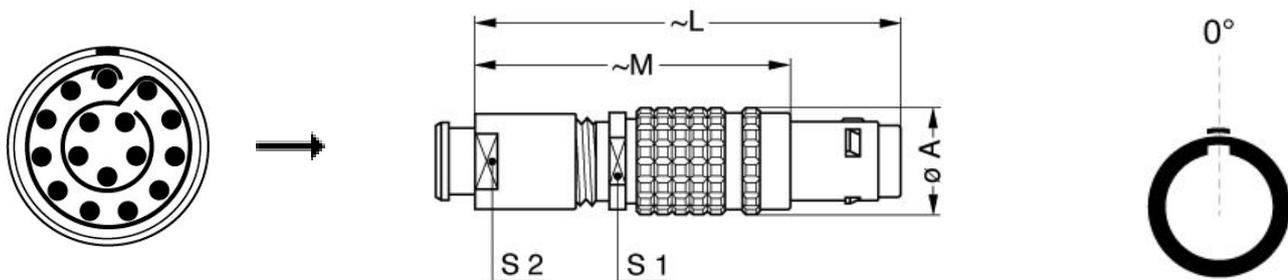
Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 1250 V (AC), 1770 V (DC)
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

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Others

Endurance (Shell): >3000 mating cycles
Temp (min / max): -55 °C / +200 °C
Humidity (max): <=95% [at 60 deg C / 140 F]
Resistance to vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Climatical Category: 50/175/21
Shielding efficiency (min): 75 dB (at 10 MHz)
Shielding efficiency (min): 40 dB (at 1 GHz)
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

| | A | L | M | S1 | S2 |
|-----|------|------|------|------|------|
| mm. | 12 | 45 | 34 | 11 | 9 |
| in. | 0,47 | 1,77 | 1,34 | 0,43 | 0,35 |

RECOMMENDED BY LEMO

Tools

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Cables

| | | | |
|--------|-----|-------|---|
| 116280 | PVC | Black |  |
|--------|-----|-------|---|

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