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# FLA.1S.303.CLAC47

## SUMMARY

### # Wires

| | |
|---|---|
| **Low voltage** | **3** |



*Image is for illustrative purpose only*

| | |
|---|---|
| **Series** | 1S |
| **Termination type** | Male solder |
| **IP rating** | 50 |
| **AWG wire size** | 30.00 - 22.00 |
| **Cable Ø** | 4.20 - 5.20 mm |
| **Status** | active |
| **Alternative part** | FLA.1S.303.CLAC52 |
| **Matching parts** | ERA.1S.303.CLL |

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## TECHNICAL DETAILS

### Mechanics

| | |
|---|---|
| **Shell Style/Model** | FLA*: Elbow 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** | 25.00 g |

### Performance

| | |
|---|---|
| **Configuration** | 1S.303 : 3 Low Voltage |
| **Insulator** | L: PEEK (UL 94 / V-0/1.5) |
| **Rated Current** | 10 Amps |

### Specifications

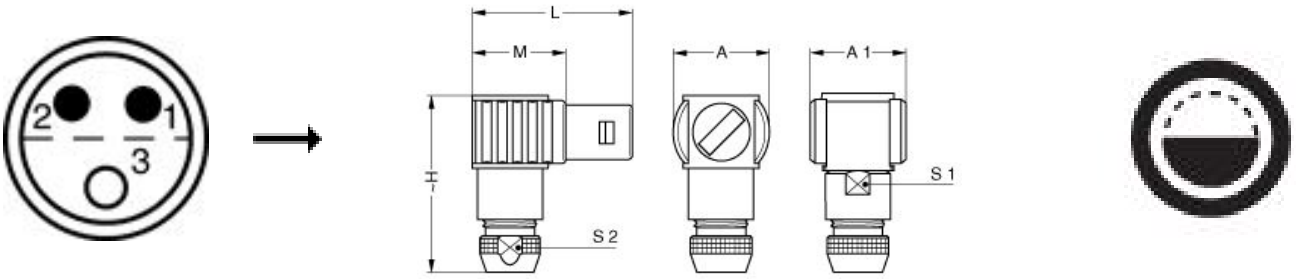
Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm^2 (AWG 22)
R (max): 4.8 mOhm
Vtest: 1200 V (AC), 1800 V (DC)

### 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

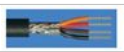
| | A | A1 | H | L | M | S1 | S2 |
|---|---|---|---|---|---|---|---|
| mm. | 16 | 16 | 28.5 | 26.5 | 15.5 | 10 | 8.5 |
| in. | 0,63 | 0,63 | 1,12 | 1,04 | 0,61 | 0,39 | 0,33 |

# RECOMMENDED BY LEMO

### Tools

### Cables

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| | | | |
|---|---|---|---|
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3220 | PVC | Black |  |
| 60080 | PVC | Grey | |

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