

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 1S |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FFA.1S.303.CLAC32 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | ERA*: Fixed receptacle, nut fixing |
| Keying | Hermaphroditic keying (half moon insert) with female 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 | 8.28 g |

Performance

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

Specifications

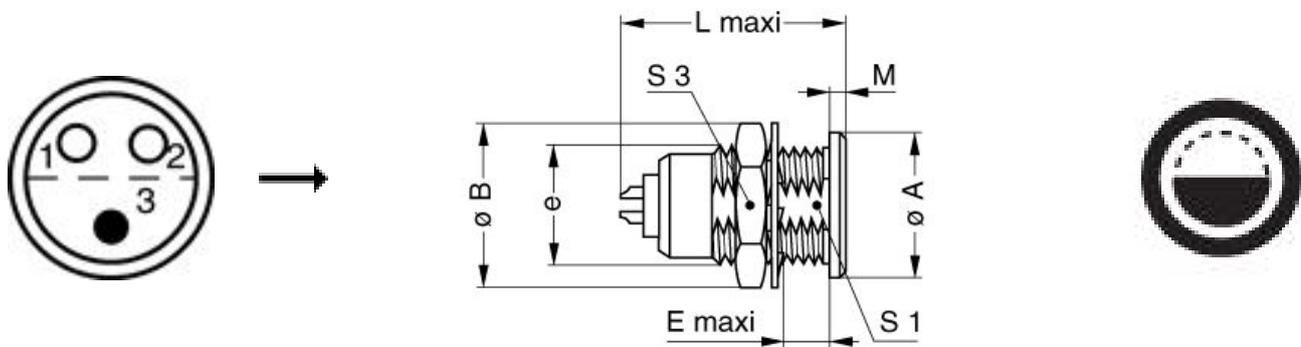
Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm
Vtest: 1200 V (AC), 1800 V (DC)

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: >1000 hr

DRAWINGS



Dimensions

| | A | B | E | L | M | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 14 | 16 | 7.5 | 21 | 1.5 | 10.5 | 14 | M12x1.0 |
| in. | 0,55 | 0,63 | 0,30 | 0,83 | 0,06 | 0,41 | 0,55 | |

RECOMMENDED BY LEMO

Tools

Cables

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| | | | |
|--------------------|-----|-------|--|
| CMN.03.T28.031PGCE | PVC | GREY |  |
| CMN.03.T28.031PGZE | | Grey |  |
| CMN.03.T28.031PNCE | PVC | Black |  |
| CMN.03.T28.031PNZE | | |  |
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 30110 | PVC | Grey |  |
| 30141 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3041 | PVC | Grey |  |
| 3050 | PVC | Black |  |
| 3081 | PVC | Black | |
| 3220 | PVC | Black |  |
| 3280 | PVC | Black |  |
| 60080 | PVC | Grey | |

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