

## 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          | 4.20 - 5.20 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">FFA.1S.303.CLAC52Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | PCA*: Free receptacle, cable collet and nut for fitting a bend relief                                                         |
| 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 |
| Variant           | Z : Nut for fitting a bend relief                                                                                             |
| Weight            | 20.47 g                                                                                                                       |

### Performance

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

### Specifications

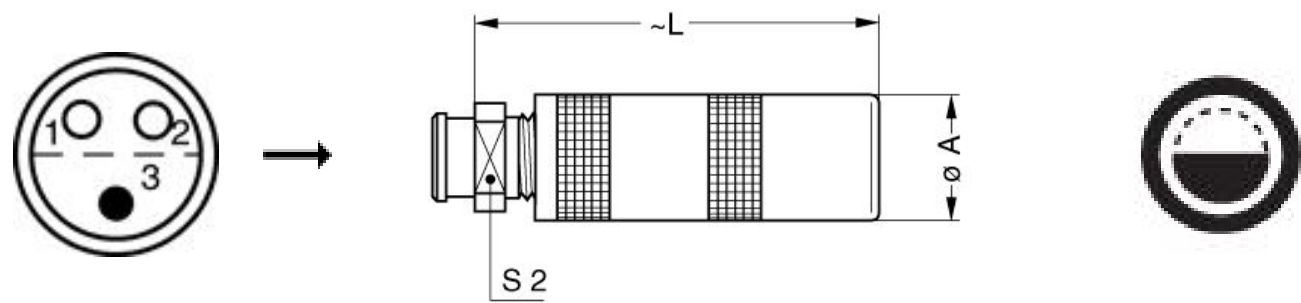
Contact Type: Solder  
Contact Dia.: 0.9 mm (0.0354in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest: 1200 V (AC), 1800 V (DC)

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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    | S2   |
|-----|------|------|------|
| mm. | 11.9 | 40.5 | 9    |
| in. | 0,47 | 1,59 | 0,35 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCD.1B.015.PA090](#)

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Cables

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

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