

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 2S                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 24.00 - 16.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FFA.2S.302.CLAC42</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | ERN*: Fixed receptacle, nut fixing, with grounding tab  |
| 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            | 13.61 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2S.302 : 2 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 20 Amps                   |

### Specifications

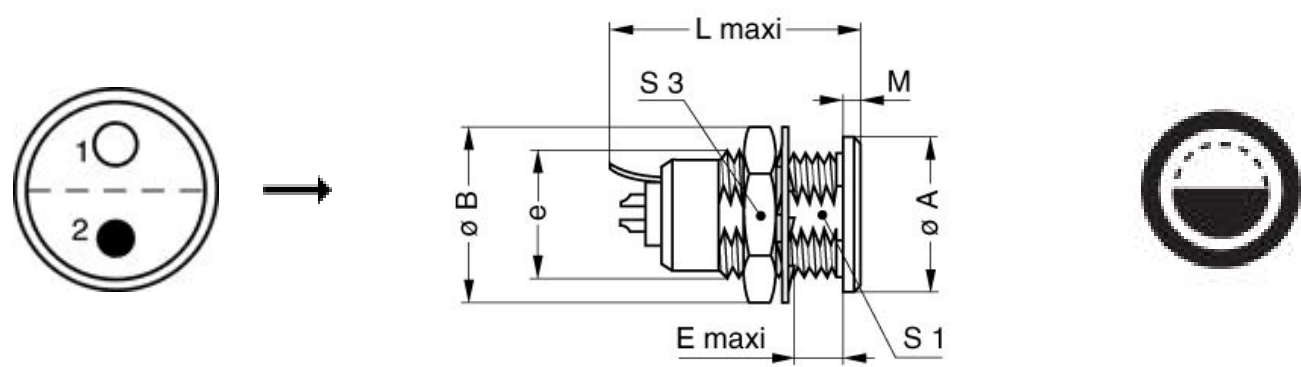
Contact Type: Solder  
Contact Dia.: 1.6 mm (0.063in)  
Bucket Dia.: 1.4 mm (0.055in)  
Max. Solid Conductor: 1 mm<sup>2</sup> (AWG 16)  
Max. Stranded Conductor: 1 mm<sup>2</sup> (AWG 18)  
R (max): 3.5 mOhm  
Vtest: 1700 V (AC), 2400 V (DC)

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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: >1000 hr

DRAWINGS



Dimensions

































|     | A    | B    | E    | L    | M    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 18   | 19.5 | 8.5  | 26.3 | 1.8  | 13.5 | 17   | M15x1.0 |
| in. | 0,71 | 0,77 | 0,33 | 1,04 | 0,07 | 0,53 | 0,67 |         |

RECOMMENDED BY LEMO

Tools

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## Cables

|                    |               |        |   |
|--------------------|---------------|--------|---|
| CMN.02.T18.064UNCU |               |        |   |
| CMN.02.T20.047PGZE |               | Grey   |    |
| CMN.02.T20.047PNZE |               |        |    |
| CMN.02.T20.048QGZE | TPR (medical) | Grey   |    |
| CMN.02.T28.030PGCE | PVC           | GREY   |    |
| CMN.02.T28.030PGZE |               | Grey   |    |
| CMN.02.T28.030PNCE | PVC           | Black  |    |
| CMN.02.T28.030PNZE |               |        |    |
| 102080             | PVC           | Grey   |   |
| 120184             | PVC           | Black  |     |
| 120240             | PVC           | Black  |    |
| 120250             | PVC           | Grey   |    |
| 120500             | PVC           | Grey   |    |
| 120501             | PVC           | Grey   |    |
| 120751             | PVC           | Grey   |    |
| 20140              | PVC           | Grey   |    |
| 20140              | PVC           | Grey   |   |
| 20141              | PVC           | Grey   |  |
| 20142              | PVC           | Red    |   |
| 20143              | PVC           | Green  |   |
| 20144              | PVC           | Black  |   |
| 20145              | PVC           | Yellow |   |
| 20146              | PVC           | Black  |   |
| 20240              | PTFE          | White  |  |
| 20260              | PVC           | Black  |  |
| 20264              | PVC           | Black  |   |
| 20266              | PVC           | Violet |   |
| 2050               | PVC           | Black  |  |
| 20550              | PUR           | Black  |  |
| 20560              | PUR           | White  |  |
| 2080               | PVC           | Grey   |   |
| 220750             | PVC           | Grey   |  |
| 2221               | PVC           | Black  |  |
| 2260               | PTFE          | White  |  |
| 2280               | PVC           | Black  |  |
| 4082               | PVC           | Grey   |   |

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|                |     |       |  |
|----------------|-----|-------|--|
| CMB.02.210.635 | PUR | Black |  |
|----------------|-----|-------|--|

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