

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 0S                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 22.00 - 22.00                     |
| Cable Ø          | 1.30 - 6.20 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FFA.0S.302.CLAC17</a> |

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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) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Weight            | 4.11 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 0S.302 : 2 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: 1500 V (AC), 2100 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

### Draws



### Dimensions






























|     | A    | B    | E    | L    | M    | S1   | S3   | e      |
|-----|------|------|------|------|------|------|------|--------|
| mm. | 10   | 12.5 | 7    | 18.5 | 1.2  | 8.2  | 11   | M9x0.6 |
| in. | 0.39 | 0.49 | 0.28 | 0.73 | 0.05 | 0.32 | 0.43 |        |

## RECOMMENDED BY LEMO

### Tools

### Cables

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|                    |      |        |   |
|--------------------|------|--------|---|
| CMN.02.T22.047PGCE | PVC  | GREY   |     |
| CMN.02.T28.030PGCE | PVC  | GREY   |     |
| CMN.02.T22.047PGZE |      | Grey   |    |
| CMN.02.T22.047PNCE | PVC  | Black  |     |
| CMN.02.T22.047PNZE |      |        |    |
| CMN.02.T28.030PGZE |      | Grey   |    |
| CMN.02.T28.030PNCE | PVC  | Black  |     |
| CMN.02.T28.030PNZE |      |        |    |
| 002 050            | PVC  | Black  |     |
| 002 080            | PVC  | Grey   |   |
| 002 221            | PVC  | Black  |    |
| 002 260            | PTFE | White  |    |
| 002 280            | PVC  | Black  |    |
| 004 082            | PVC  | Grey   |   |
| 020 140            | PVC  | Grey   |     |
| 020 140            | PVC  | Grey   |     |
| 020 141            | PVC  | Grey   |    |
| 020 142            | PVC  | Red    |    |
| 020 143            | PVC  | Green  |   |
| 020 144            | PVC  | Black  |   |
| 020 145            | PVC  | Yellow |   |
| 020 146            | PVC  | Black  |   |
| 020 240            | PTFE | White  |  |
| 020 260            | PVC  | Black  |  |
| 020 264            | PVC  | Black  |   |
| 020 266            | PVC  | Violet |   |
| 020 550            | PUR  | Black  |  |
| 020 560            | PUR  | White  |  |
| 120 184            | PVC  | Black  |   |
| 120 240            | PVC  | Black  |  |
| 120 250            | PVC  | Grey   |   |
| CCX.50.RG1.74U30B  | TFE  | White  |   |
| CMB.02.210.635     | PUR  | Black  |   |

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