

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1S                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 0.00 - 0.00                       |
| Cable Ø          | 5.90 - 6.50 mm                    |
| Status           | Active                            |
| Matching parts   | <a href="#">FFA.1S.305.CLAC42</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | PSA*: Fixed receptacle, nut fixing, cable collet                                                                              |
| 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            | 14.84 g                                                                                                                       |

### Performance

|               |                                              |
|---------------|----------------------------------------------|
| Configuration | 1S.305 : 2 (0.9 mm) + 3 (0.7 mm) Low Voltage |
| Insulator     | L: PEEK (UL 94 / V-0/1.5)                    |
| Rated Current |                                              |

### Specifications

Contact Type: Solder  
Vtest: 1500 V (AC), 2100 V (DC)  
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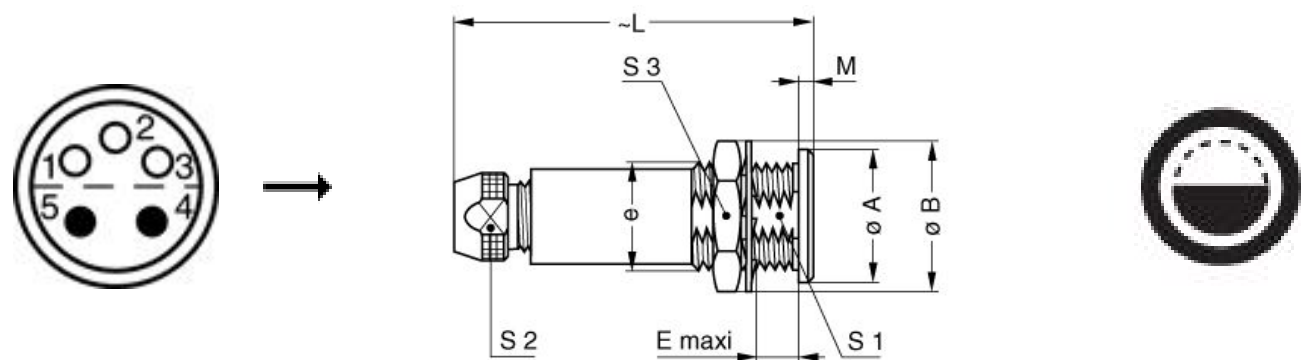
### Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -55°C / +250°C

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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    | B    | C    | E    | L    | M    | S1   | S2   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|------|---------|
| mm. | 14   | 16   | 6.2  | 7.5  | 40.5 | 1.5  | 10.5 | 8.5  | 14   | M12x1.0 |
| in. | 0,55 | 0,63 | 0,24 | 0,30 | 1,59 | 0,06 | 0,41 | 0,33 | 0,55 |         |

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1S.ZZZ.PA085](#)

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