

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1S                                |
| Termination type | Female print PCB                  |
| IP rating        | 50                                |
| AWG wire size    | 32.00 - 24.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FFA.1S.306.CLAC42</a> |

### Download

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[PCB Altium Pattern](#)  
[PCB KiCad Pattern](#)  
[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | ECP*: Fixed receptacle with two nuts, long threaded shell, with straight contact for printed circuit (back panel mounting)    |
| 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            | 10.42 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1S.306 : 6 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps                    |

### Specifications

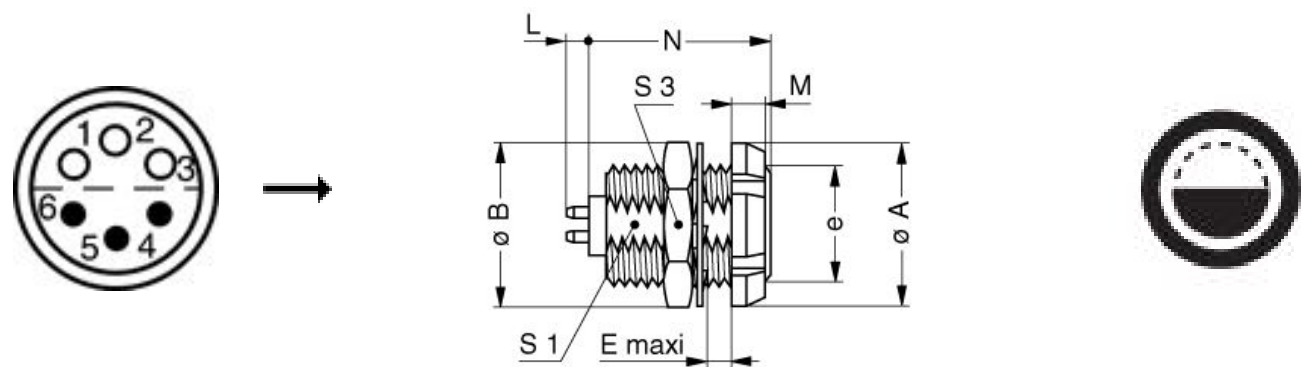
Contact Type: Print (straight)  
Contact Dia.: 0.7 mm (0.028in)  
R (max): 6.1 mOhm  
Vtest: 1500 V (AC), 2100 V (DC)

### 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



### Dimensions

|     | A    | B    | E    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 16   | 16   | 10   | 3.5  | 17.5 | 10.5 | 14   | M12x1.0 |
| in. | 0,63 | 0,63 | 0,39 | 0,14 | 0,69 | 0,41 | 0,55 |         |

## RECOMMENDED BY LEMO

### Tools

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