

## SUMMARY



Image is for illustrative purpose only

### # Wires

|         |   |
|---------|---|
| Low     | 6 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |

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|                  |                    |
|------------------|--------------------|
| Series           | 1S                 |
| Termination type | Female solder      |
| IP rating        | 50                 |
| Cable Ø          | 0.00 - 0.00 mm     |
| Matching parts   | FFA.1S.306.CLAC22Z |
| Status           |                    |
| Alternative part |                    |

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | ECP*: Fixed receptacle with two nuts, long threaded shell (back panel mounting)             |
| Keying            | Hermaphroditic keying ("half moon" insert), plug has male pin 1                             |
| Housing Material  | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing      | ∅ 0 - 0 mm  |
| Variant           |   |

### Performance

|               |  |
|---------------|--|
| Configuration | 1S.306 : 6 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 7 Amps   |

### Specifications

|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Max. Matings:            | 5000                          |
| Contact Dia.:            | 0.7 mm (0.028in)              |
| Bucket Dia.:             | 0.6 mm (0.024in)              |
| Max. Solid Conductor:    | 0.25 mm <sup>2</sup> (AWG 24) |
| Max. Stranded Conductor: | 0.14 mm <sup>2</sup> (AWG 26) |

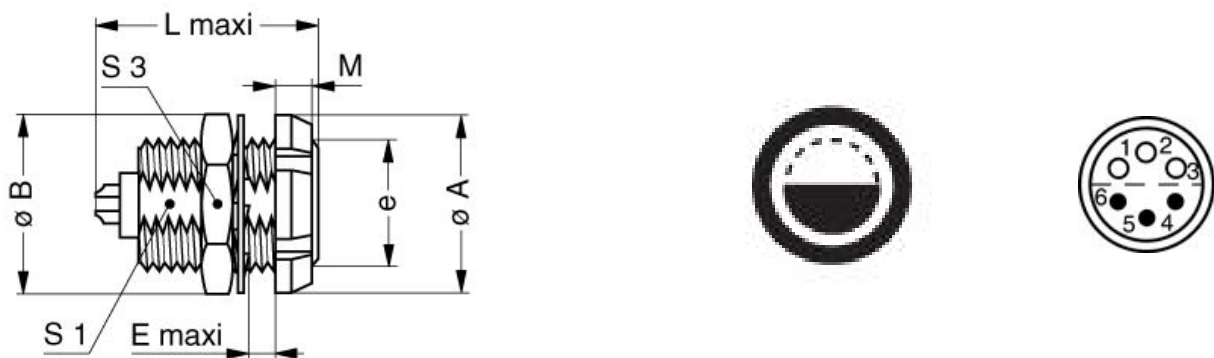
R (max): 6.1 mOhm  
 Vtest: 1500 V (AC), 2100 V (DC)

## 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]  
 Salt Spray Corrosion: >1000 hr  
 Climatical Category: 50/175/21  
 Shielding (min): 75 dB (10 MHz)  
 Shielding (min): 40 dB (1 GHz)  
 IP Rating: 50

## DRAWINGS

### Draws



### Dimensions















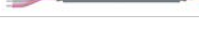
|     | A    | B    | E    | L    | M    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 16   | 16   | 10   | 20.2 | 3.5  | 10.5 | 14   | M12x1.0 |
| in. | 0,63 | 0,63 | 0,39 | 0,80 | 0,14 | 0,41 | 0,55 |         |

## RECOMMENDED BY LEMO

### Tools

None

## Cables

|                    |               |       |  |
|--------------------|---------------|-------|--|
| CMN.06.T26.037QGZE | TPR (medical) | Grey  |  |
| CMN.06.T28.031PGCE | PVC           | GREY  |  |
| CMN.06.T28.031PGZE |               | Grey  |  |
| CMN.06.T28.031PNCE | PVC           | Black |  |
| CMN.06.T28.031PNZE |               |       |  |
| CMN.06.T28.042QBCE | TPR (medical) |       |  |
| CMN.06.T28.044PGCE | PVC           | GREY  |  |
| CMN.06.T28.044PGZE |               | Grey  |  |
| CMN.06.T28.044PNCE | PVC           | Black |  |
| CMN.06.T28.044PNZE |               |       |  |
| 006 280            | PVC           | Black |  |
| 012 080            | PVC           | Grey  |  |
| 060 260            | PTFE          | White |  |
| 106 240            | PTFE          | White |  |
| 160 140            | PVC           | Grey  |  |
| 160 260            | PVC           | Black |  |
| 260 250            | PVC           | Grey  |  |