

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 2S                                 |
| Termination type | Female solder                      |
| IP rating        | 50                                 |
| AWG wire size    | 28.00 - 20.00                      |
| Cable Ø          | 0.00 - 0.00 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">FFA.2S.304.CKAC52Z</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            | 13.71 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2S.304 : 4 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 15 Amps                   |

### Specifications

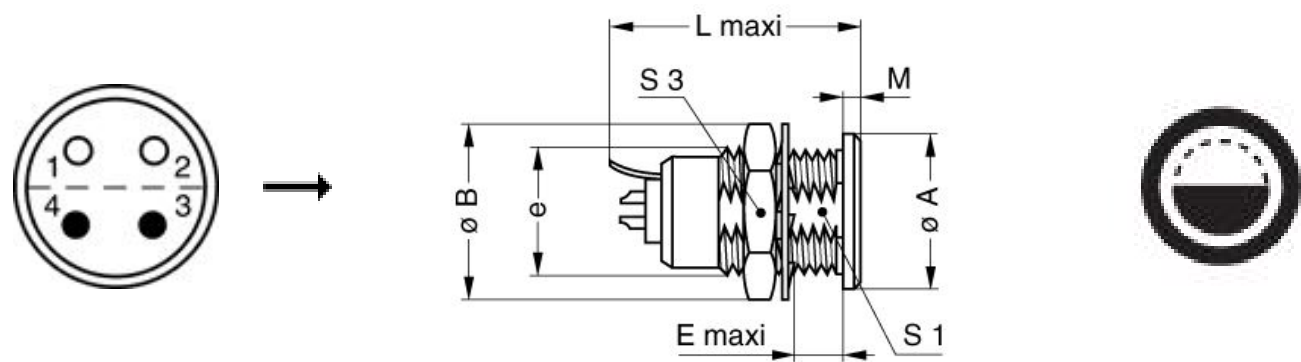
Contact Type: Solder  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1 mm (0.039in)  
Max. Solid Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.6 mOhm  
Vtest: 1700 V (AC), 2400 V (DC)

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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.04.T20.053PGZE |               | Grey  |    |
| CMN.04.T20.053PNZE |               |       |    |
| CMN.04.T20.053QGZE | TPR (medical) | Grey  |    |
| CMN.04.T22.047QGC  | TPR           | Grey  |                                                                                       |
| CMN.04.T22.048QGZE | TPR (medical) | Grey  |    |
| CMN.04.T28.031PGCE | PVC           | GREY  |    |
| CMN.04.T28.031PGZE |               | Grey  |    |
| CMN.04.T28.031PNCE | PVC           | Black |    |
| CMN.04.T28.031PNZE |               |       |    |
| CMN.04.T28.031QGC  | TPR           | Grey  |                                                                                       |
| 140240             | PVC           | Black |    |
| 140250             | PVC           | Grey  |    |
| 240500             | PVC           | Grey  |    |
| 240750             | PVC           | Grey  |    |
| 40080              | PVC           | Black |                                                                                       |
| 40086              | PVC           | Blue  |                                                                                       |
| 40140              | PVC           | Black |  |
| 40240              | PTFE          | White |  |
| 40260              | PVC           | Black |  |
| 4041               | PVC           | Grey  |   |
| 4050               | PVC           | Black |  |
| 4080               | PVC           | Grey  |                                                                                       |
| 417920             | PVC           | Grey  |   |
| 4220               | PVC           | Black |  |
| 4221               | PVC           | Black |  |
| 4260               | PTFE          | White |  |
| 4280               | PVC           | Black |  |
| 80080              | PVC           | Grey  |                                                                                       |
| 80082              | PVC           | Red   |                                                                                       |
| 80084              | PVC           | Black |                                                                                       |
| CTR.75.030.121870G | PVC           | Grey  |  |

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