

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 2S |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 24.00 - 16.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FFA.2S.302.CLAC42 |

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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 | 13.61 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 2S.302 : 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 20 Amps |

Specifications

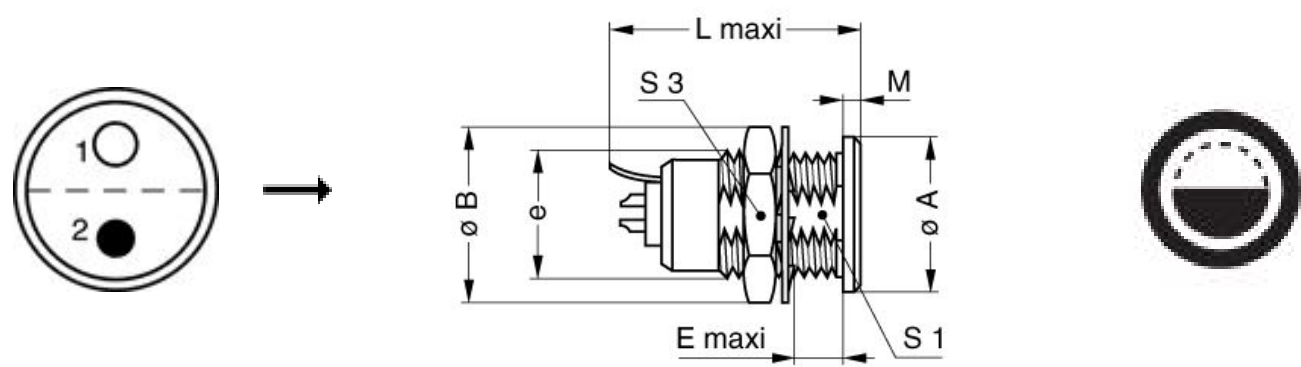
Contact Type: Solder
Contact Dia.: 1.6 mm (0.063in)
Bucket Dia.: 1.4 mm (0.055in)
Max. Solid Conductor: 1 mm² (AWG 16)
Max. Stranded Conductor: 1 mm² (AWG 18)
R (max): 3.5 mOhm
Vtest: 1700 V (AC), 2400 V (DC)

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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











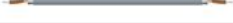
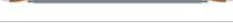

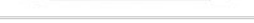


















| | A | B | E | L | M | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 18 | 19.5 | 8.5 | 26.3 | 1.8 | 13.5 | 17 | M15x1.0 |
| in. | 0,71 | 0,77 | 0,33 | 1,04 | 0,07 | 0,53 | 0,67 | |

RECOMMENDED BY LEMO

Tools

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Cables

| | | | |
|--------------------|---------------|--------|---|
| CMN.02.T18.064UNCU | | | |
| CMN.02.T20.047PGZE | | Grey |  |
| CMN.02.T20.047PNZE | | |  |
| CMN.02.T20.048QGZE | TPR (medical) | Grey |  |
| CMN.02.T28.030PGCE | PVC | GREY |  |
| CMN.02.T28.030PGZE | | Grey |  |
| CMN.02.T28.030PNCE | PVC | Black |  |
| CMN.02.T28.030PNZE | | |  |
| 102080 | PVC | Grey | |
| 120184 | PVC | Black |  |
| 120240 | PVC | Black |  |
| 120250 | PVC | Grey |  |
| 120500 | PVC | Grey |  |
| 120501 | PVC | Grey |  |
| 120751 | PVC | Grey |  |
| 20140 | PVC | Grey |  |
| 20140 | PVC | Grey |  |
| 20141 | PVC | Grey |  |
| 20142 | PVC | Red |  |
| 20143 | PVC | Green |  |
| 20144 | PVC | Black |  |
| 20145 | PVC | Yellow |  |
| 20146 | PVC | Black |  |
| 20240 | PTFE | White |  |
| 20260 | PVC | Black |  |
| 20264 | PVC | Black |  |
| 20266 | PVC | Violet |  |
| 2050 | PVC | Black |  |
| 20550 | PUR | Black |  |
| 20560 | PUR | White |  |
| 2080 | PVC | Grey | |
| 220750 | PVC | Grey |  |
| 2221 | PVC | Black |  |
| 2260 | PTFE | White |  |
| 2280 | PVC | Black |  |
| 4082 | PVC | Grey | |

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| | | | |
|----------------|-----|-------|--|
| CMB.02.210.635 | PUR | Black | |
|----------------|-----|-------|--|

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