

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 1S |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 4.20 - 5.20 mm |
| Status | active |
| Alternative part | PCA.1S.304.CLLC52 |
| Matching parts | FFA.1S.304.CLAC47 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | PCA*: Free receptacle, 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 | 19.93 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1S.304 : 4 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps |

Specifications

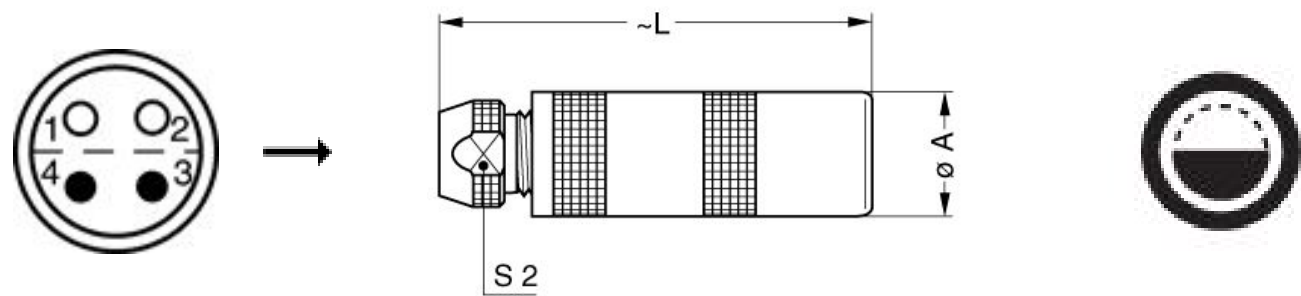
Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm
Vtest: 1200 V (AC), 1800 V (DC)
Air clearance min.: 1.1 mm
Creepage distance min.: 1.1 mm

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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: >144 hr

DRAWINGS



Dimensions

| | A | C | L | S2 |
|-----|------|------|------|------|
| mm. | 11.9 | 6.2 | 40.5 | 8.5 |
| in. | 0,47 | 0,24 | 1,59 | 0,33 |







RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCD.1S.015.PA085](#)

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Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.04.T22.047QGC | TPR | Grey | |
| CMN.04.T22.048QGZE | TPR (medical) | Grey |  |
| 140240 | PVC | Black |  |
| 140250 | PVC | Grey |  |
| 40260 | PVC | Black |  |
| 4080 | PVC | Grey | |
| 4221 | PVC | Black |  |
| 4280 | PVC | Black |  |
| 80080 | PVC | Grey | |
| 80082 | PVC | Red | |
| 80084 | PVC | Black | |

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