

SUMMARY

Wires

Low voltage 18



Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | 3S |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FFA.3S.318.CLAC10Z |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | ERD*: Fixed receptacle with two nuts (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 | 28.11 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 3S.318 : 18 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 6 Amps |

Specifications

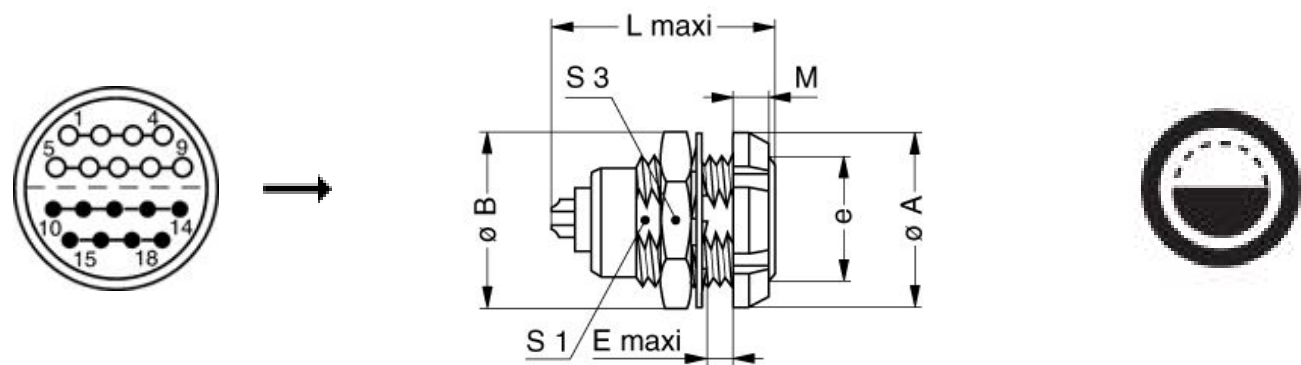
Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm
Vtest: 1060 V (AC), 1500 V (DC)

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 | L | M | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 24 | 25.2 | 9 | 29 | 4.5 | 16.5 | 22 | M18x1.0 |
| in. | 0,94 | 0,99 | 0,35 | 1,14 | 0,18 | 0,65 | 0,87 | |

RECOMMENDED BY LEMO

Tools

Cables

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| | | | |
|--------------------|---------------|-------|---|
| CMN.18.T30.048QGZE | TPR (medical) | Grey |  |
| 218220 | PVC | Black |  |
| 218240 | PVC | Black |  |
| 218260 | PVC | Black |  |
| 236080 | PVC | Grey | |
| 318250 | PVC | Grey |  |

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