

SUMMARY



Image is for illustrative purpose only

Wires

Low voltage 6

| | |
|------------------|-----------------------------------|
| Series | 1S |
| Termination type | Female solder |
| IP rating | 68 |
| AWG wire size | 32.00 - 24.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FFA.1S.306.CLAC42 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | HGP*: Fixed receptacle, nut fixing, watertight or vacuum-tight |
| 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 |
| Variant | PV : Watertight / Vacuum-tested |
| Weight | 19.95 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1S.306 : 6 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps |

Specifications

| | |
|--------------------------|-------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 0.7 mm (0.028in) |
| Bucket Dia.: | 0.6 mm (0.024in) |
| Max. Solid Conductor: | 0.25 mm ² (AWG 24) |
| Max. Stranded Conductor: | 0.14 mm ² (AWG 26) |
| R (max): | 6.1 mOhm |

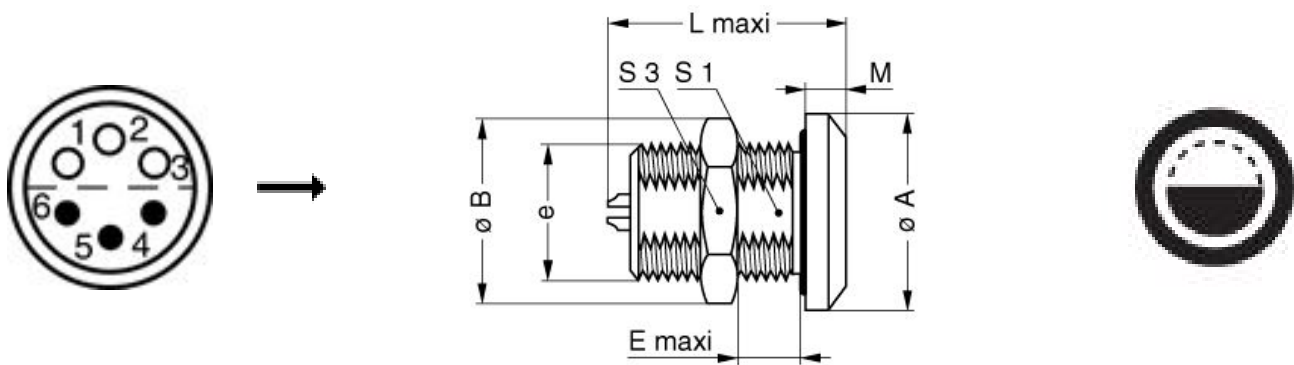
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Vtest: 1500 V (AC), 2100 V (DC)

Others

Endurance (Shell): 5000 mating cycles
Temp (min / max): -20°C / +100°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: 20/80/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)
R leak (He) (max): 0.0000001 mbar*l/s (if vacuum-tested)
Salt Spray Corrosion: >1000 hr
Pressure: 60 bars

DRAWINGS



Dimensions

| | A | B | E | L | M | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 20 | 19.2 | 15.5 | 25 | 4 | 12.5 | 17 | M14x1.0 |
| in. | 0,79 | 0,76 | 0,61 | 0,98 | 0,16 | 0,49 | 0,67 | |

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Tools

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.T28.044PGZE | | Grey |  |
| CMN.06.T28.044PNZE | | |  |
| 106240 | PTFE | White |  |
| 12080 | PVC | Grey | |
| 160140 | PVC | Grey |  |
| 160260 | PVC | Black |  |
| 260250 | PVC | Grey |  |
| 60260 | PTFE | White |  |
| 6280 | PVC | Black |  |

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