

SUMMARY

Wires

| | |
|-------------|----|
| Low voltage | 16 |
|-------------|----|



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 1T |
| Termination type | Female solder |
| IP rating | 68 |
| AWG wire size | 34.00 - 28.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.1T.316.CLAC50 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | HE*: Fixed socket, nut fixing, watertight or vacuumtight, back panel mounting |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| 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 | P : Watertight |
| Weight | 20.38 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1T.316 : 16 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 1.5 Amps |

Specifications

| | |
|--------------------------|-------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 0.5 mm (0.02in) |
| Bucket Dia.: | 0.45 mm (0.018in) |
| Max. Solid Conductor: | 0.09 mm ² (AWG 28) |
| Max. Stranded Conductor: | 0.09 mm ² (AWG 28) |
| R (max): | 8.7 mOhm |

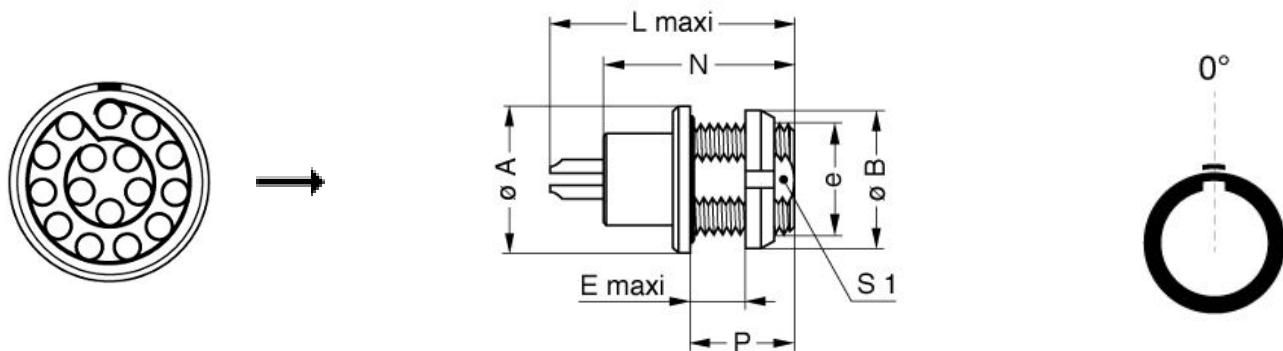
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Vtest (contact-shell): 1250 V (AC), 1770 V (DC)
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

Others

Endurance (Shell): >3000 mating cycles
Temp (min / max): -20°C / +80°C
Humidity (max): <=95% [at 60 deg C /140 F]
Resistance to vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Climatical Category: 50/175/21
Shielding efficiency (min): 75 dB (at 10 MHz)
Shielding efficiency (min): 40 dB (at 1 GHz)
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

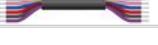
| | A | B | E | L | N | P | S1 | e |
|-----|------|------|------|------|------|------|------|---------|
| mm. | 15.5 | 16 | 6.5 | 26 | 21.5 | 10 | 10.5 | M12x1.0 |
| in. | 0,61 | 0,63 | 0,26 | 1,02 | 0,85 | 0,39 | 0,41 | |

RECOMMENDED BY LEMO

Tools

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Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.16.T28.059PGZE | | Grey |  |
| CMN.16.T28.059PNZE | | |  |
| CMN.16.T28.070NNZZ | | | |
| CMN.16.T30.047QGZE | TPR (medical) | Grey |  |
| 116080 | PUR | Black | |
| 116280 | PVC | Black |  |
| 16050 | PVC | Black |  |

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