

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 0T |
| Termination type | Female solder |
| IP rating | 68 |
| AWG wire size | 28.00 - 28.00 |
| Cable Ø | 1.00 - 6.50 mm |
| Status | active |
| Matching parts | FGG.0T.307.CLAC50 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Housing Material | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Weight | 4.69 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | T.307 : 7 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2.5 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 |
| Vtest (contact-shell): 700 V (AC), 990 V (DC) |
| Vtest (contact-contact): 800 V (AC), 1130 V (DC) |

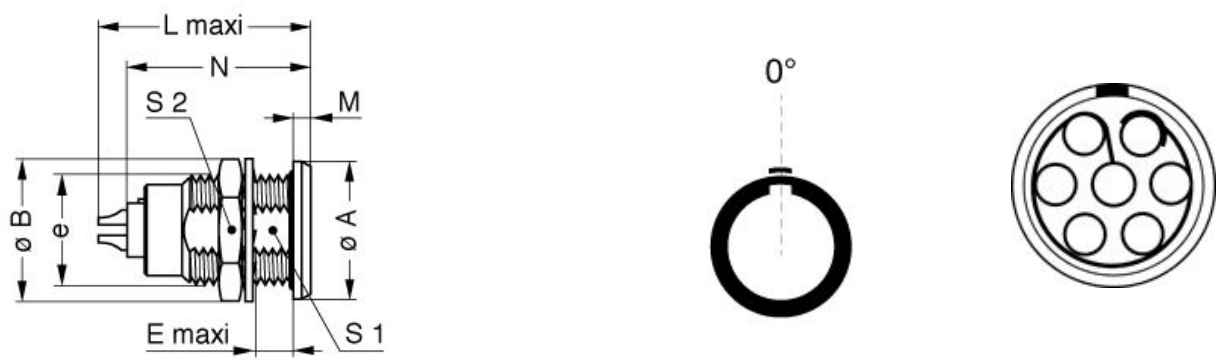
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Others

- Endurance (Shell): >3000 mating cycles
- Temp (min / max): -55°C / +200°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

Draws



Dimensions




| | A | B | E | L | M | N | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|--------|
| mm. | 12 | 12.5 | 6 | 21 | 1.5 | 19.1 | 8.2 | 11 | M9x0.6 |
| in. | 0.47 | 0.49 | 0.24 | 0.83 | 0.06 | 0.75 | 0.32 | 0.43 | |

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Tools

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Cables

| | | | |
|--------------------|-----|-------|---|
| CMN.07.S34.027JGC | | | |
| CMN.07.T28.044PGCE | PVC | GREY |  |
| CMN.07.T28.044PGZE | | Grey |  |
| CMN.07.T28.044PNCE | PVC | Black |  |
| CMN.07.T28.044PNZE | | |  |
| 007 041 | PVC | Grey |  |
| 007 050 | PVC | Black |  |
| CTR.75.030.121875G | PVC | Grey |  |

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