

SUMMARY

Wires

| | |
|-------------|---|
| Low voltage | 9 |
|-------------|---|



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 0B |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 34.00 - 28.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGC.0B.309.CLAD56 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EC*: Fixed receptacle with two nuts (back panel mounting) |
| Keying | 2 keys (alpha=90, 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 |
| Weight | 5.02 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 0B.309 : 9 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2 Amps |

Specifications

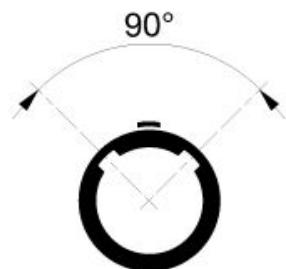
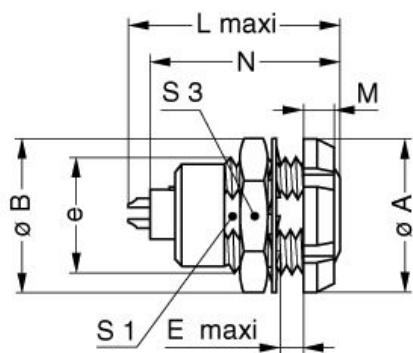
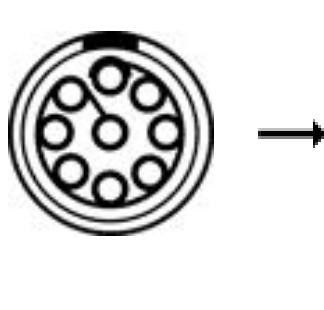
| | |
|--------------------------|-------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 0.5 mm (0.02in) |
| Bucket Dia.: | 0.45 mm (0.018in) |
| Max. Solid Conductor: | 0.09 mm ² (AWG 28) |
| Max. Stranded Conductor: | 0.09 mm ² (AWG 28) |
| R (max): | 8.7 mOhm |
| Vtest (contact-shell): | 500 V (AC), 710 V (DC) |
| Vtest (contact-contact): | 600 V (AC), 850 V (DC) |

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Others

Endurance (Shell): 5000
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 | N | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|------|--------|
| mm. | 12 | 12.4 | 5.5 | 20.7 | 2.5 | 19.1 | 8.2 | 11 | M9x0.6 |
| in. | 0,47 | 0,49 | 0,22 | 0,81 | 0,10 | 0,75 | 0,32 | 0,43 | |

RECOMMENDED BY LEMO

Tools

Spanner 2: [DCH.91.121.PA](#)

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Cables

| | | | |
|--------------------|---------------|------|---|
| CMN.09.T28.050CNQZ | | | |
| CMN.09.T28.051PGZE | | Grey |  |
| CMN.09.T28.051PNZE | | |  |
| CMN.09.T28.051QGZE | TPR (medical) | Grey |  |

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