

SUMMARY

Wires

Low voltage 7



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 1B |
| Termination type | Female print PCB |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.1B.307.CLAD42 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EX*: Elbow receptacle for printed circuit with two nuts (solder or screw fixing, back panel mounting) |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Housing Material | PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass |
| Weight | 14.57 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 1B.307/EXG : 7 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2 Amps |

Specifications

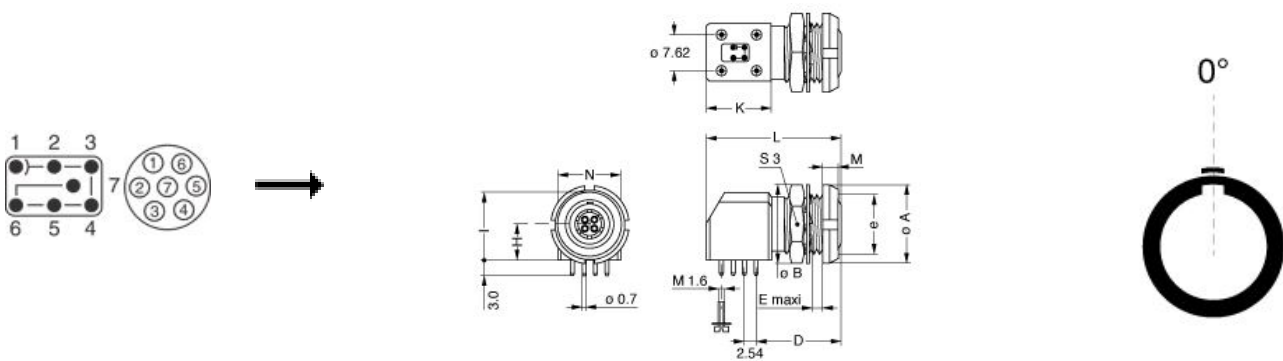
Contact Type: Print (straight)
Contact Dia.: 0.7 mm (0.028in)
R (max): 6.1 mOhm
Test voltage contact-contact : 1.45 kV rms
Test voltage contact-body shell : 1.45 kV rms

Others

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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: >144 hr

DRAWINGS



Dimensions

| | A | B | D | E | H | I | K | L | M | N | S3 | e |
|-----|------|------|------|------|------|------|------|------|------|------|------|---------|
| mm. | 14 | 15 | 16.6 | 7.5 | 7.5 | 14 | 13.3 | 27 | 3.5 | 12.6 | 13 | M11x0.5 |
| in. | 0,55 | 0,59 | 0,65 | 0,30 | 0,30 | 0,55 | 0,52 | 1,06 | 0,14 | 0,50 | 0,51 | |

RECOMMENDED BY LEMO

Tools

Spanner wrench: [Socket for torque wrench DCM.65.120.AZ](#)

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