

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 1B |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGA.1B.305.CLAD42 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EC*: Fixed receptacle with two nuts (back panel mounting) |
| Keying | 2 keys (alpha=30, 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 | 10.51 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1B.305 : 5 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 9 Amps |

Specifications

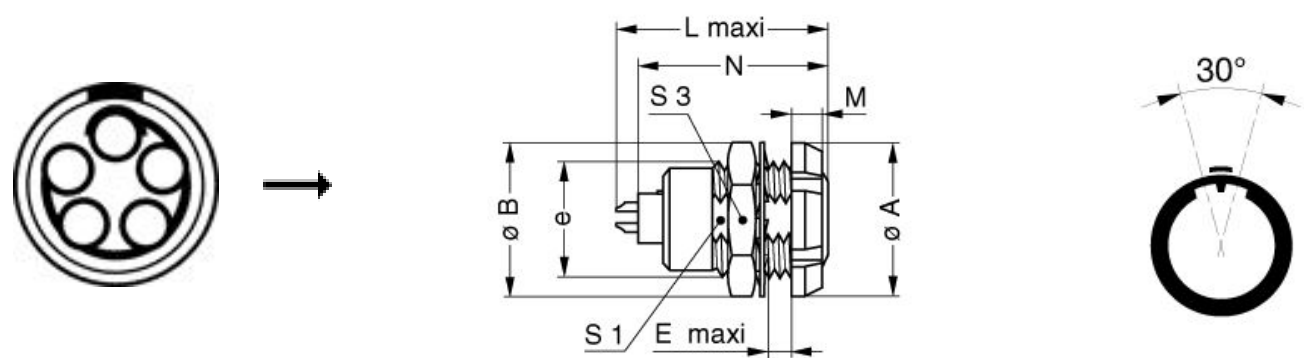
Contact Type: Solder
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm
Vtest (contact-shell): 1150 V (AC), 1630 V (DC)
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

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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. | 16 | 15.8 | 6 | 23 | 3.5 | 21.1 | 10.5 | 14 | M12x1.0 |
| in. | 0,63 | 0,62 | 0,24 | 0,91 | 0,14 | 0,83 | 0,41 | 0,55 | |









RECOMMENDED BY LEMO

Tools

Spanner 2: [DCH.91.161.PA](#)

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Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey |  |
| CMN.05.T28.029PGCE | PVC | GREY |  |
| CMN.05.T28.029PGZE | | Grey |  |
| CMN.05.T28.029PNCE | PVC | Black |  |
| CMN.05.T28.029PNZE | | |  |
| 150250 | PVC | Grey |  |
| 50090 | PVC | Black | |
| 50140 | PVC | Grey |  |
| 5050 | PVC | Black |  |

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