

SUMMARY

Wires

Low voltage 7


Image is for illustrative purpose only

| | |
|------------------|---|
| Series | 1B |
| Termination type | Male solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 3.10 - 4.20 mm |
| Status | active |
| Matching parts | EGA.1B.307.CL PHA.1B.307.CLAD42Z |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief |
| 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 |
| Variant | Z : Nut for fitting a bend relief |
| Weight | 16.07 g |

Performance

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

Specifications

| | |
|--------------------------|-------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 0.7 mm (0.028in) |
| Bucket Dia.: | 0.8 mm (0.031in) |
| Max. Stranded Conductor: | 0.34 mm ² (AWG 22) |
| Max. Conductor: | 0.34 mm ² (AWG 22) |
| R (max): | 6.1 mOhm |

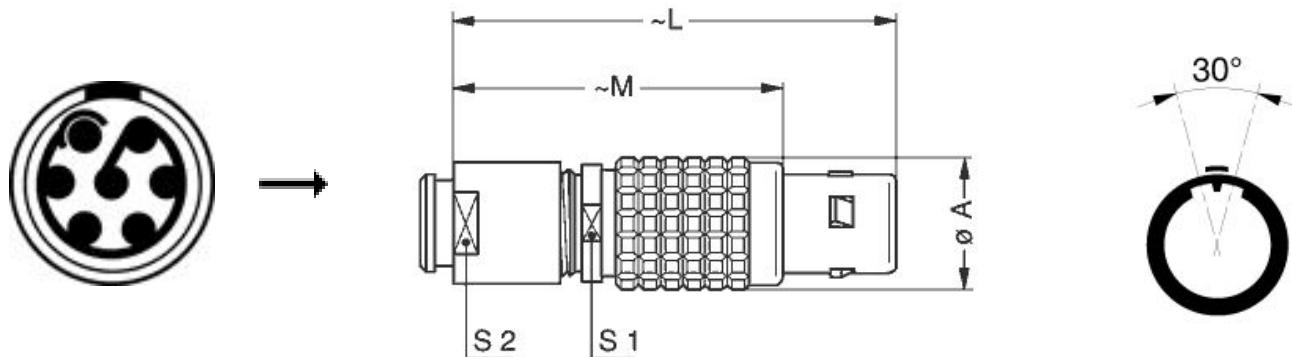
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Vtest (contact-shell): 1050 V (AC), 1490 V (DC)
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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 | L | M | S1 | S2 |
|-----|------|------|------|------|------|
| mm. | 12 | 42 | 31 | 10 | 9 |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |

RECOMMENDED BY LEMO

Tools

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Spanner wrench:

[DCD.1B.015.PA090](#)

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.07.T26.037QGZE | TPR (medical) | Grey |  |
| 7041 | PVC | Grey |  |
| 7050 | PVC | Black |  |

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