

SUMMARY

Wires

Low voltage 8



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 1B |
| Termination type | Male solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 4.30 - 5.20 mm |
| Status | active |
| Matching parts | EGG.1B.308.CLL |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FH*: Elbow plug, cable collet and nut for fitting a bend relief |
| Keying | 1 key (alpha=0, 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 | 23.70 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1B.308 : 8 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 5 Amps |

Specifications

Contact Type: Solder
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm

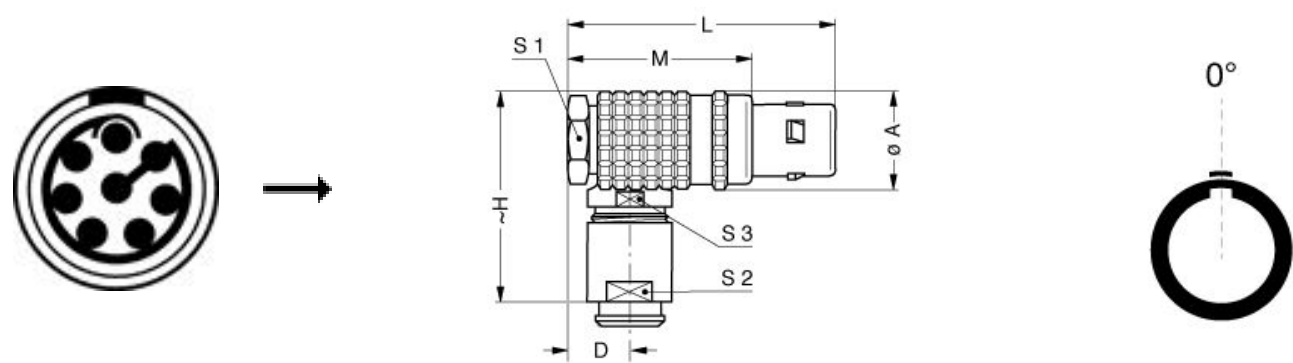
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Vtest (contact-shell): 1150 V (AC), 1630 V (DC)
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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 | D | H | L | M | S1 | S2 | S3 |
|-----|------|------|------|------|------|------|------|------|
| mm. | 13.5 | 8 | 28.1 | 36 | 25 | 11 | 9 | 10 |
| in. | 0,53 | 0,31 | 1,11 | 1,42 | 0,98 | 0,43 | 0,35 | 0,39 |

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.1B.015.PA090](#)

Cables

| | | | |
|--------|------|-------|---|
| 108240 | PTFE | White |  |
| 108260 | PTFE | White |  |
| 8280 | PVC | Black |  |

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