

SUMMARY

Wires

Low voltage 6



Image is for illustrative purpose only

| | |
|------------------|-----------------------------------|
| Series | 0B |
| Termination type | Female crimp |
| IP rating | 50 |
| AWG wire size | 32.00 - 28.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.0B.306.CYCD52 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing |
| 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 |
| Weight | 5.26 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 0B.306 : 6 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 2.5 Amps |

Specifications

| |
|---|
| Contact Type: Crimp |
| Contact Retention: 12 N |
| Contact Dia.: 0.5 mm (0.02in) |
| Bucket Dia.: 0.45 mm (0.018in) |
| Min. Conductor: 0.035 mm ² (AWG 32) |
| Max. Conductor: 0.09 mm ² (AWG 28) |
| R (max): 8.7 mOhm |
| Vtest (contact-shell): 1200 V (AC), 1700 V (DC) |

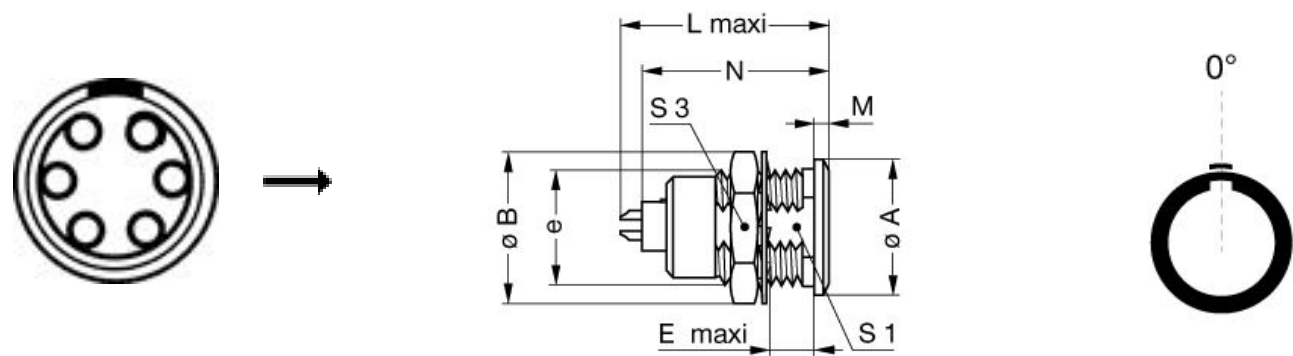
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Vtest (contact-contact): 1400 V (AC), 1980 V (DC)

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 | B | E | L | M | N | S1 | S3 | e |
|-----|------|------|------|------|------|------|------|------|--------|
| mm. | 10 | 12.5 | 7 | 20.7 | 1.2 | 19.1 | 8.2 | 11 | M9x0.6 |
| in. | 0,39 | 0,49 | 0,28 | 0,81 | 0,05 | 0,75 | 0,32 | 0,43 | |

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)








Crimp settings: AWG/Selector = 28-30-32/4-3-3

Positionner: [DCE.91.050.BVM](#)

Extractor: [DCF.91.050.2LT](#)

Replacement contact: EGG.0B.654.ZZM

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.06.T28.031PGCE | PVC | GREY |  |
| CMN.06.T28.031PGZE | | Grey |  |
| CMN.06.T28.031PNCE | PVC | Black |  |
| CMN.06.T28.031PNZE | | |  |
| CMN.06.T28.042QBCE | TPR (medical) | | |
| CMN.06.T28.044PGZE | | Grey |  |
| CMN.06.T28.044PNZE | | |  |
| 12080 | PVC | Grey | |
| 6280 | PVC | Black |  |

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