

SUMMARY

Wires

Low voltage 9



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 0B |
| Termination type | Male crimp |
| IP rating | 50 |
| AWG wire size | 32.00 - 28.00 |
| Cable Ø | 4.30 - 5.20 mm |
| Status | active |
| Matching parts | EGG.0B.309.CLL |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet |
| 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 | 9.79 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 0B.309 : 9 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 2 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 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 850 V (AC), 1200 V (DC)

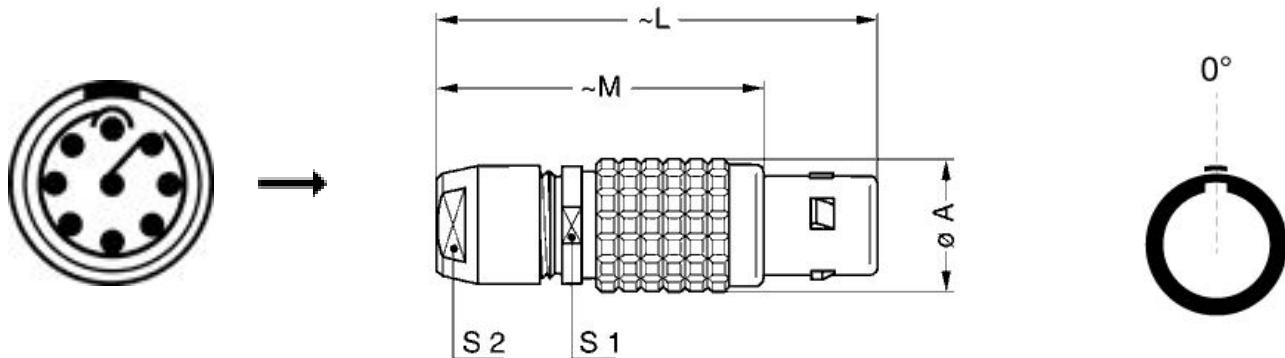
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Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

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. | 9.5 | 36 | 26 | 8 | 7 |
| in. | 0,37 | 1,42 | 1,02 | 0,31 | 0,28 |

RECOMMENDED BY LEMO

Tools

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| | |
|----------------------|---|
| Crimp Tool: | <u>DPC.91.701.V</u> |
| Crimp settings: | AWG/Selector = 28-30-32/4-3-3 |
| Positionner: | <u>DCE.91.050.BVC</u> |
| Extractor: | <u>DCF.91.050.2LT</u> |
| Replacement contact: | FGG.0B.554.ZZC |
| Spanner wrench: | <u>DCD.0B.005.PA070</u> |
| Caps: | <u>BFG.0B.100.PCSG</u> |

Cables

| | | | |
|--------------------|---------------|------|---|
| CMN.09.T28.050CNQZ | | | |
| CMN.09.T28.051PGZE | | Grey |  |
| CMN.09.T28.051PNZE | | |  |
| CMN.09.T28.051QGZE | TPR (medical) | Grey |  |

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