

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 4B |
| Termination type | Male crimp |
| IP rating | 50 |
| AWG wire size | 14.00 - 10.00 |
| Cable Ø | 10.60 - 12.00 mm |
| Status | active |
| Matching parts | EGA.4B.304.CLL |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet |
| 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 | 119.69 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 4B.304 : 4 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 30 Amps |

Specifications

Contact Type: Crimp
Contact Retention: 75 N
Contact Dia.: 3 mm (0.118in)
Bucket Dia.: 2.9 mm (0.114in)
Min. Conductor: 2.5 mm² (AWG 14)
Max. Conductor: 4 mm² (AWG 10)
R (max): 3.1 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

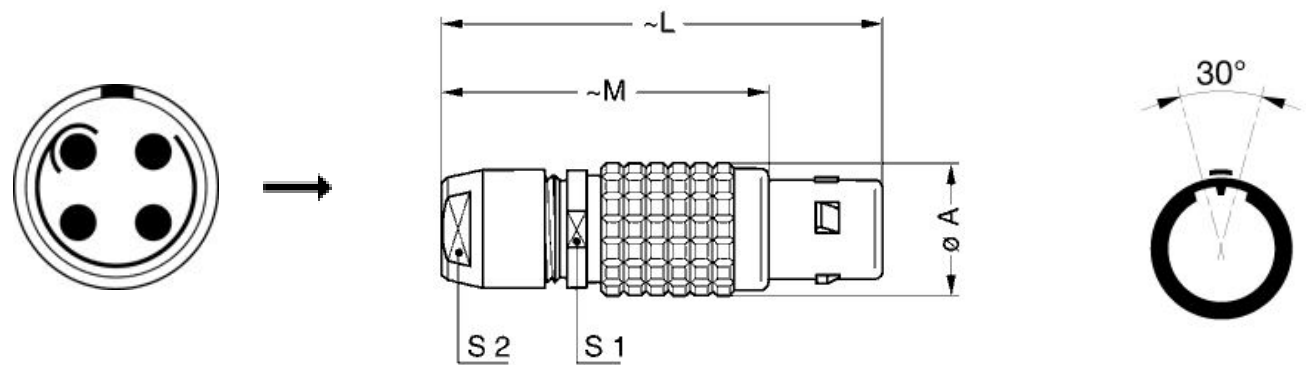
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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. | 25 | 75 | 57 | 21 | 20 |
| in. | 0,98 | 2,95 | 2,24 | 0,83 | 0,79 |

RECOMMENDED BY LEMO

Tools

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| | |
|----------------------|---------------------------------|
| Crimp Tool: | DPC.91.102.V |
| Crimp settings: | AWG/Selector = 10-12-14/3-1-1 |
| Positionner: | DCE.91.304.BVCM |
| Extractor: | DCF.91.303.5LT |
| Replacement contact: | FGG.4B.580.ZZC |

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