

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series 3B
Termination type Male solder
IP rating 50
AWG wire size 24.00 - 16.00
Cable Ø 9.30 - 10.00 mm
Status active
Matching parts [EGG.3B.305.CLL](#)

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[See video assembly instructions](#)

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 45.65 g

Performance

Configuration 3B.305 : 5 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 19 Amps

Specifications

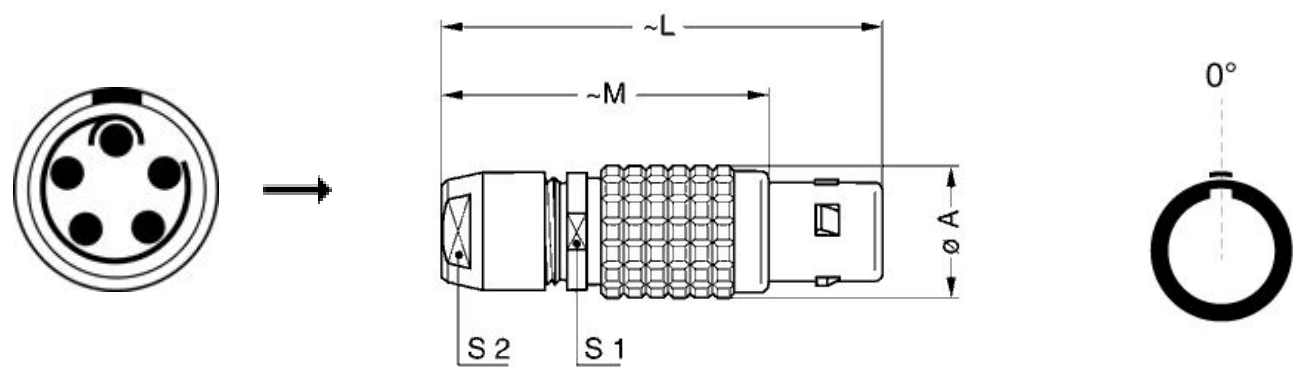
Contact Type: Solder
Contact Dia.: 1.6 mm (0.063in)
Bucket Dia.: 1.4 mm (0.055in)
Max. Solid Conductor: 1 mm² (AWG 16)
Max. Stranded Conductor: 1 mm² (AWG 18)
R (max): 3.5 mOhm
Vtest (contact-shell): 1250 V (AC), 1770 V (DC)
Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

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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.	18	58	43	15	14
in.	0,71	2,28	1,69	0,59	0,55

RECOMMENDED BY LEMO

Tools

- Spanner wrench: [DCD.3B.040.PA140](#)
Caps: [BFG.3B.100.PCSG](#)

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