

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	3B
Termination type	Male solder
IP rating	50
AWG wire size	22.00 - 14.00
Cable Ø	6.30 - 7.70 mm
Status	active
Matching parts	EGA.3B.303.CLL PHA.3B.303.CLLD72

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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	47.09 g

Performance

Configuration	3B.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	25 Amps

Specifications

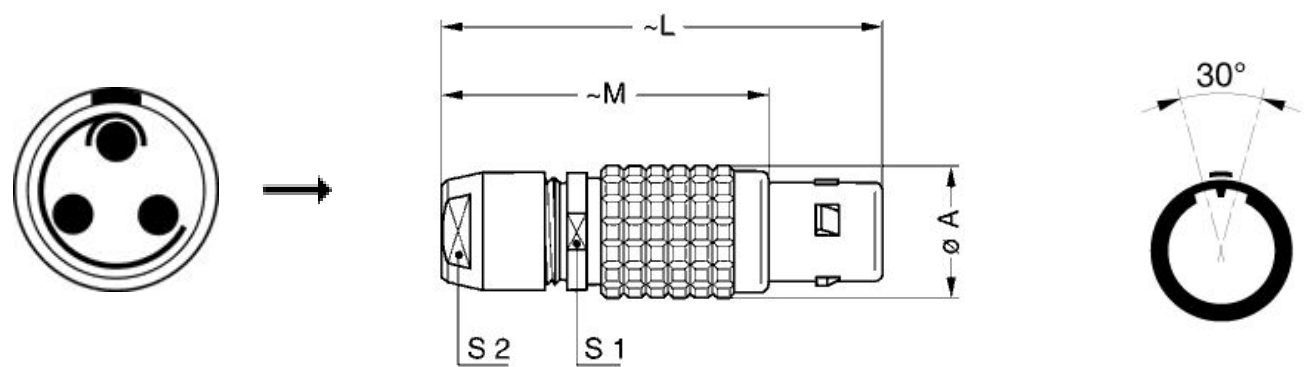
Contact Type: Solder
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 1.8 mm (0.071in)
Max. Solid Conductor: 1.5 mm² (AWG 14)
Max. Stranded Conductor: 1.5 mm² (AWG 16)
R (max): 3.3 mOhm
Vtest (contact-shell): 1500 V (AC), 2120 V (DC)
Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

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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](#)

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