

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series 3B
Termination type Male crimp
IP rating 50
AWG wire size 18.00 - 14.00
Cable Ø 7.80 - 9.20 mm
Status active
Matching parts [EGG.3B.305.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 49.41 g

Performance

Configuration 3B.305 : 5 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 19 Amps

Specifications

Contact Type: Crimp
Contact Retention: 50 N
Contact Dia.: 1.6 mm (0.063in)
Bucket Dia.: 1.9 mm (0.075in)
Min. Conductor: 1 mm² (AWG 18)
Max. Conductor: 1.5 mm² (AWG 14)
R (max): 3.5 mOhm
Vtest (contact-shell): 1750 V (AC), 2500 V (DC)

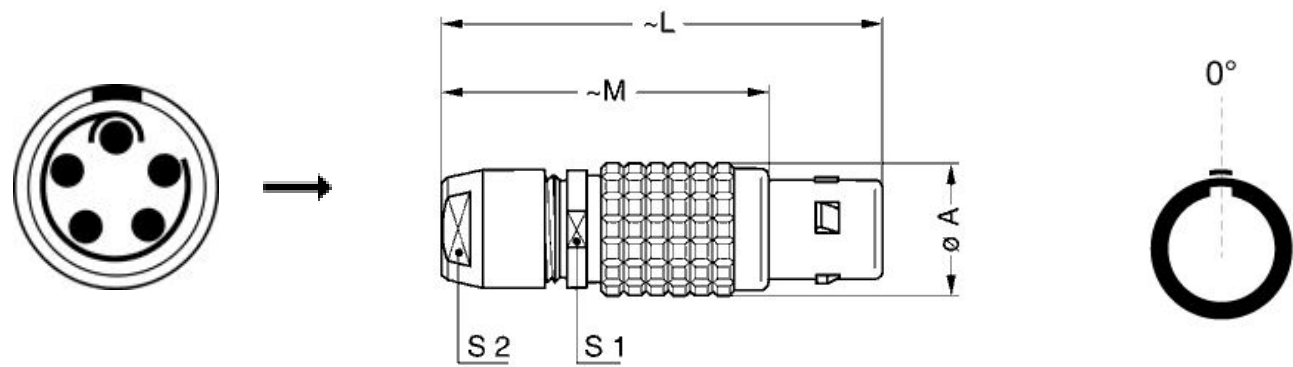
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Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

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

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.101.A
Crimp settings:	AWG/Selector = 14-16-18/7-6-5
Positionner:	DCE.91.163.BVCM
Extractor:	DCF.91.163.5LT
Replacement contact:	FGG.3B.570.ZZC
Spanner wrench:	DCD.3B.040.PA140
Caps:	BFG.3B.100.PCSG

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