

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	16.00 - 12.00
Cable Ø	6.30 - 7.70 mm
Status	active
Matching parts	EGG.3B.304.CYM PFG.3B.304.CYMD72

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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	48.40 g

Performance

Configuration	3B.304 : 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	19 Amps

Specifications

Contact Type: Crimp
Contact Retention: 65 N
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 2.4 mm (0.094in)
Min. Conductor: 1.5 mm ² (AWG 16)
Max. Conductor: 2.5 mm ² (AWG 12)
R (max): 3.3 mOhm
Vtest (contact-shell): 2200 V (AC), 3110 V (DC)

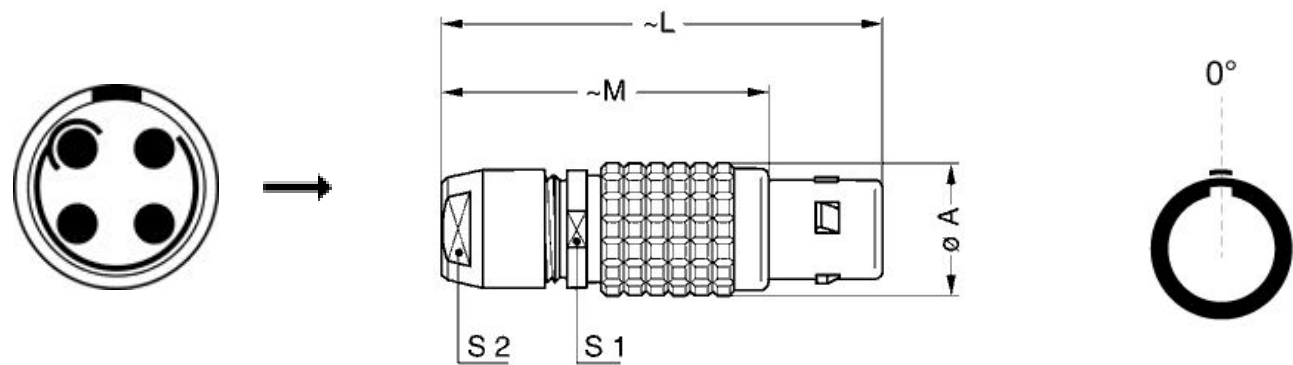
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Vtest (contact-contact): 2500 V (AC), 3540 V (DC)

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 = 12-14-16/7-6-5
Positionner: [DCE.91.203.BVCM](#)
Extractor: [DCC.91.202.5LA](#)
Replacement contact: FGG.3B.575.ZZC
Spanner wrench: [DCD.3B.040.PA140](#)
Caps: [BFG.3B.100.PCSG](#)

Cables

240750	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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