

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series 3B
Termination type Male crimp
IP rating 50
AWG wire size 14.00 - 10.00
Cable Ø 10.80 - 11.90 mm
Status active
Matching parts [EGG.3B.302.CYM](#)

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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 46.95 g

Performance

Configuration 3B.302 : 2 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 35 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): 1800 V (AC), 2550 V (DC)

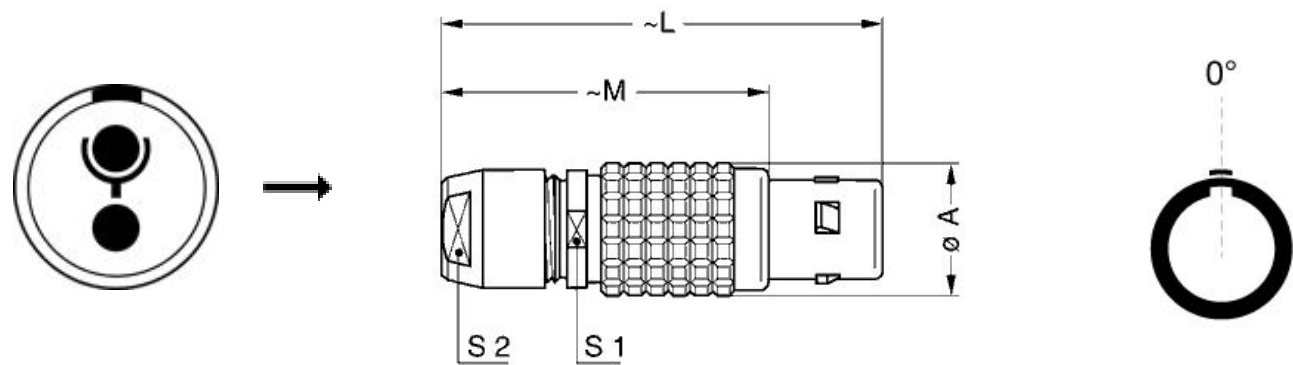
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Vtest (contact-contact): 2300 V (AC), 3250 V (DC)

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.91.102.V
Crimp settings:	AWG/Selector = 10-12-14/3-1-1
Positionner:	DCE.91.303.BVCM
Extractor:	DCF.91.303.5LT
Replacement contact:	FGG.3B.580.ZZC
Spanner wrench:	DCD.3B.040.PA140
Caps:	BFG.3B.100.PCSG

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