

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	16.00 - 12.00
Cable Ø	9.90 - 11.00 mm
Status	active
Matching parts	EGG.3B.303.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief

Performance

Configuration	3B.303 : 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	25 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):	2650 V (AC), 3750 V (DC)

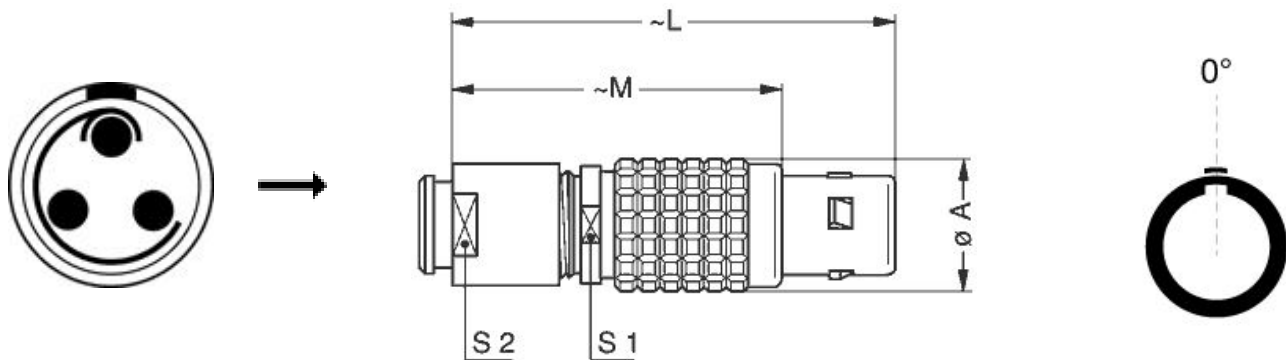
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Vtest (contact-contact): 3200 V (AC), 4530 V (DC)

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	56.5	41.5	15	15
in.	0,71	2,22	1,63	0,59	0,59

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.PA150](#)
Caps: [BFG.3B.100.PCSG](#)

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