

SUMMARY

Wires

Low voltage 6



Image is for illustrative purpose only

Series	3B
Termination type	Male crimp
IP rating	50
AWG wire size	22.00 - 18.00
Cable Ø	6.30 - 7.70 mm
Status	active
Matching parts	EGG.3B.306.CLL

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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.306 : 6 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	17 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	50 N
Contact Dia.:	1.6 mm (0.063in)
Bucket Dia.:	1.4 mm (0.055in)
Min. Conductor:	0.34 mm ² (AWG 22)
Max. Conductor:	1 mm ² (AWG 18)
R (max):	3.5 mOhm
Vtest (contact-shell):	1800 V (AC), 2550 V (DC)

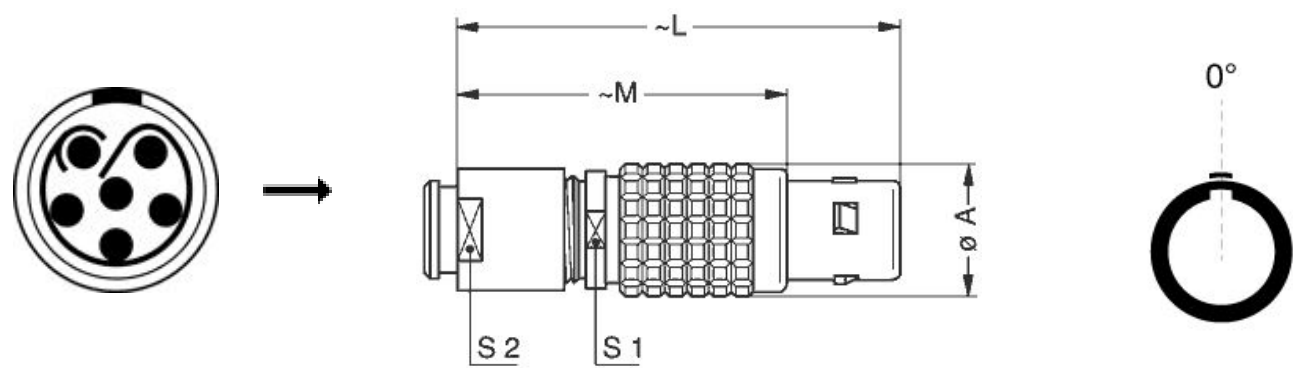
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Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

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 = 18-20/8-7

Positionner: [DCE.91.163.BVCM](#)

Extractor: [DCF.91.163.5LT](#)

Replacement contact: FGG.3B.571.ZZC

Spanner wrench: [DCD.3B.040.PA150](#)

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

Cables

CMN.06.T18.070PGZE		Grey	
CMN.06.T18.070PNZE			
360500	PVC	Grey	

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