

SUMMARY

Wires

Low voltage 6



Image is for illustrative purpose only

Series	3B
Termination type	Female crimp
IP rating	50
AWG wire size	18.00 - 14.00
Cable Ø	7.80 - 9.20 mm
Status	active
Matching parts	EGK.3B.306.CYC

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
Keying	2 keys (alpha=52.5, plug: female contacts, receptacle: male 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.: 1.9 mm (0.075in)
Min. Conductor: 1 mm ² (AWG 18)
Max. Conductor: 1.5 mm ² (AWG 14)
R (max): 3.5 mOhm
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)

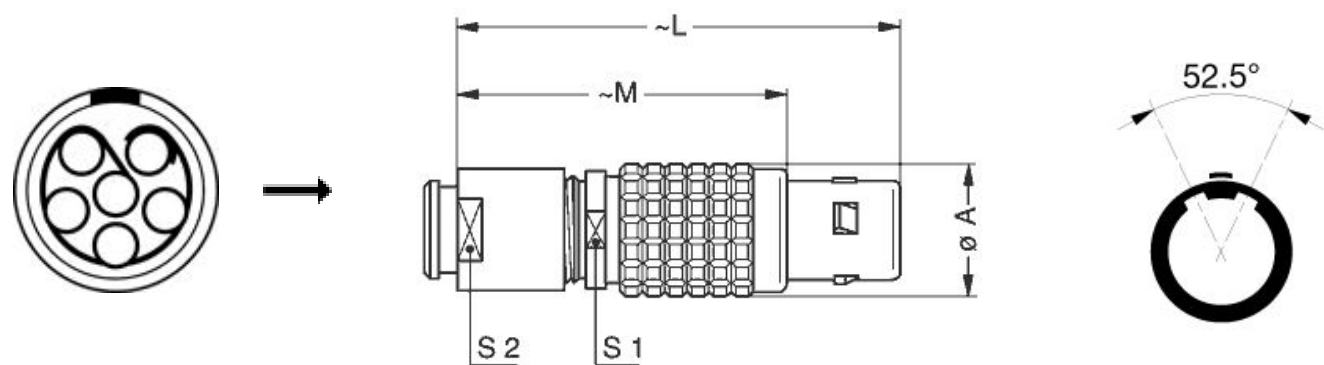
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Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

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 = 14-16-18/7-6-5
Positionner:	DCE.91.163.BVCM
Extractor:	DCF.91.163.5LT
Replacement contact:	EGG.3B.670.ZZM
Spanner wrench:	DCD.3B.040.PA150

Cables

360750	PVC	Grey	
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