

SUMMARY

Wires

Low voltage 9



Image is for illustrative purpose only

Series	0B
Termination type	Male crimp
IP rating	50
AWG wire size	32.00 - 28.00
Cable Ø	5.30 - 5.60 mm
Status	active
Matching parts	EGG.0B.309.CLL

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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	9.30 g

Performance

Configuration	0B.309 : 9 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	2 Amps

Specifications

Contact Type: Crimp
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm ² (AWG 32)
Max. Conductor: 0.09 mm ² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 850 V (AC), 1200 V (DC)

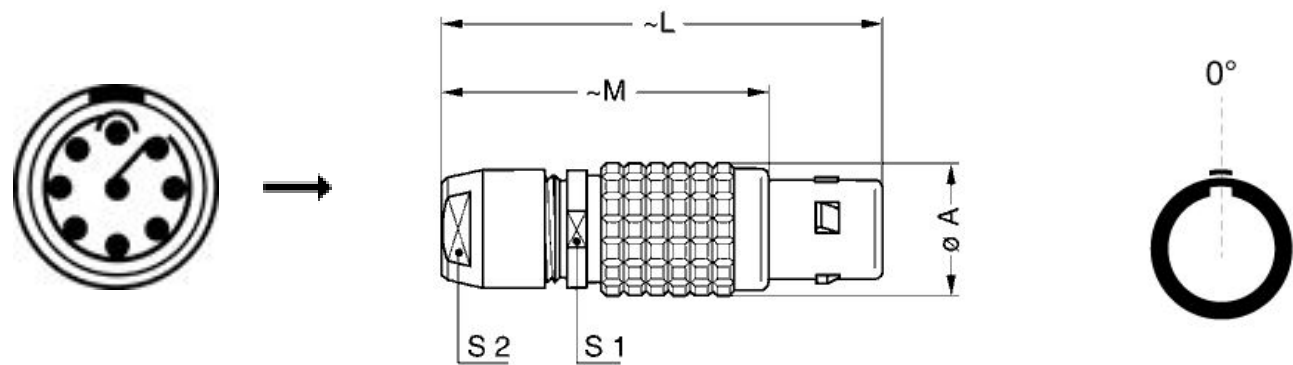
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Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

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.	9.5	36	26	8	7
in.	0,37	1,42	1,02	0,31	0,28

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	DCE.91.050.BVC
Extractor:	DCF.91.050.2LT
Replacement contact:	FGG.0B.554.ZZC
Spanner wrench:	DCD.0B.005.PA070
Caps:	BFG.0B.100.PCSG

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