

SUMMARY

Wires

Low voltage 8



Image is for illustrative purpose only

Series	1B
Termination type	Male crimp
IP rating	50
AWG wire size	32.00 - 28.00
Cable Ø	3.10 - 4.20 mm
Status	active
Matching parts	EGG.1B.308.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FC*: Straight plug, cable collet and safety locking ring
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	1B.308 : 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	5 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	22 N
Contact Dia.:	0.7 mm (0.028in)
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):	6.1 mOhm
Vtest (contact-shell):	1300 V (AC), 1840 V (DC)

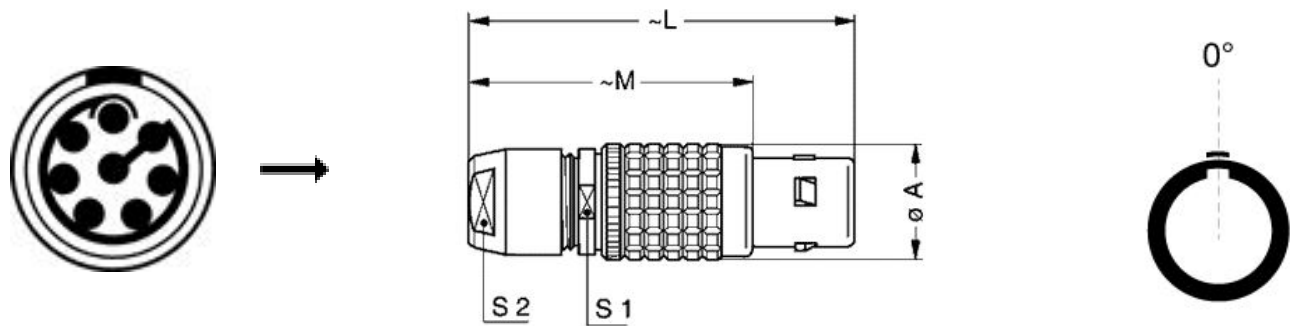
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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.	12	43	32	10	9
in.	0,47	1,69	1,26	0,39	0,35

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.91.071.BVC](#)
- Extractor:

[DCF.91.070.2LT](#)
- Replacement contact:

FGG.1B.556.ZZC
- Spanner wrench:

[DCD.1B.015.PA090](#)

Cables

8050	PVC	Black	
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