

## SUMMARY

### # Wires

Low voltage 9



*Image is for illustrative purpose only*

Series	0B
Termination type	Male solder
IP rating	50
AWG wire size	28.00 - 28.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	<a href="#">EGA.0B.309.CLL</a> <a href="#">PHA.0B.309.CLLD52Z</a>

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[See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
Keying	2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	8.77 g

### Performance

Configuration	0B.309 : 9 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	2 Amps

### Specifications

Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor: 0.09 mm <sup>2</sup> (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 500 V (AC), 710 V (DC)

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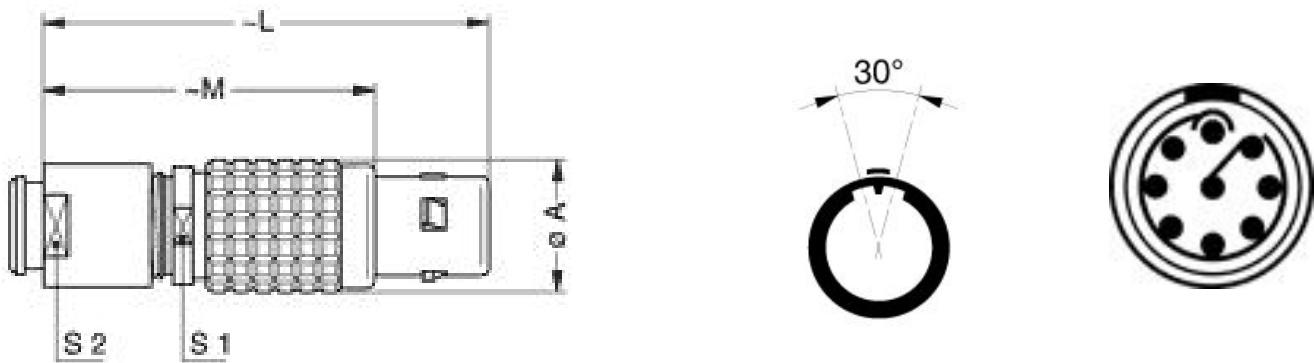
Vtest (contact-contact): 600 V (AC), 850 V (DC)

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

Draws



Dimensions






	A	L	M	S1	S2
mm.	9.5	35	25	8	7
in.	0.37	1.38	0.98	0.31	0.28

RECOMMENDED BY LEMO

Tools

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Cables

CMN.09.T28.051PGCE	PVC	GREY	
CMN.09.T28.051QGZE	TPR (medical)	Grey	
CMN.09.T28.050CNQZ			
CMN.09.T28.051PGZE		Grey	
CMN.09.T28.051PNCE	PVC	Black	
CMN.09.T28.051PNZE			

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