

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

Series	1B
Termination type	Female solder
IP rating	50
AWG wire size	22.00 - 22.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	<a href="#">FGG.1B.306.CLAD52Z</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PH*: Free receptacle, 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) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	20.31 g

### Performance

Configuration	1B.306 : 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	7 Amps

### Specifications

Contact Type: Solder
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor: 0.34 mm <sup>2</sup> (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

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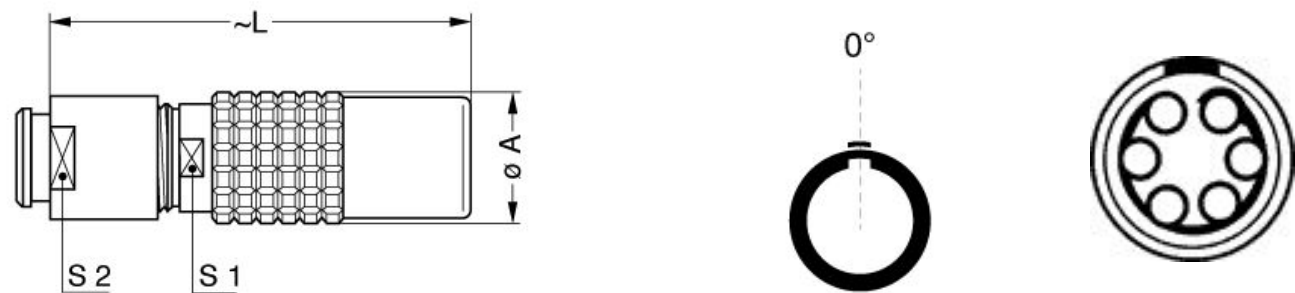
Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

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	S1	S2
mm.	12.5	39.5	10	9
in.	0.49	1.56	0.39	0.35

RECOMMENDED BY LEMO

Tools

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Cables

CMN.06.T28.044PGCE	PVC	GREY	
CMN.06.T28.044PGZE		Grey	
CMN.06.T28.044PNCE	PVC	Black	
CMN.06.T28.044PNZE			
006 280	PVC	Black	
106 240	PTFE	White	
160 140	PVC	Grey	
160 260	PVC	Black	

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