

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

Series	1S
Termination type	Female solder
IP rating	50
AWG wire size	32.00 - 24.00
Cable Ø	3.30 - 4.20 mm
Status	NRND
Matching parts	<a href="#">FFA.1S.306.CLAL37</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PCA*: Free receptacle, cable collet
Keying	Hermaphroditic keying (half moon insert) with female pin 1
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

### Performance

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

### Specifications

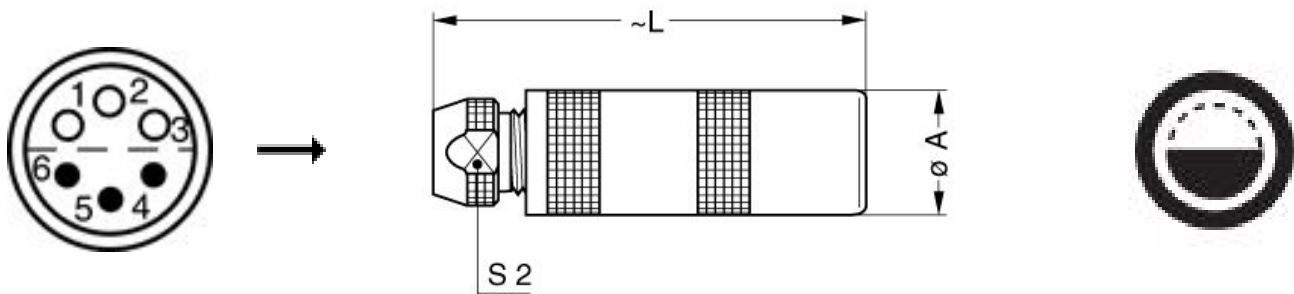
Contact Type:	Solder
Contact Dia.:	0.7 mm (0.028in)
Bucket Dia.:	0.6 mm (0.024in)
Max. Solid Conductor:	0.25 mm <sup>2</sup> (AWG 24)
Max. Stranded Conductor:	0.14 mm <sup>2</sup> (AWG 26)
R (max):	6.1 mOhm
Vtest:	1500 V (AC), 2100 V (DC)

### Others

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Endurance (Shell): 5000 mating cycles  
 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: >144 hr

## DRAWINGS



### Dimensions

	A	C	L	S2
mm.	11.9	6.2	40.5	8.5
in.	0,47	0,24	1,59	0,33



## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1S.015.PA085](#)

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## Cables

CMN.06.T26.037QGZE	TPR (medical)	Grey	
CMN.06.T28.042QBCE	TPR (medical)		
60260	PTFE	White	

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