

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

Series	0B
Termination type	Female solder
IP rating	50
AWG wire size	34.00 - 28.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	<a href="#">FGA.0B.307.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	2 keys (alpha=30, 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
Weight	10.07 g

### Performance

Configuration	0B.307 : 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	2.5 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

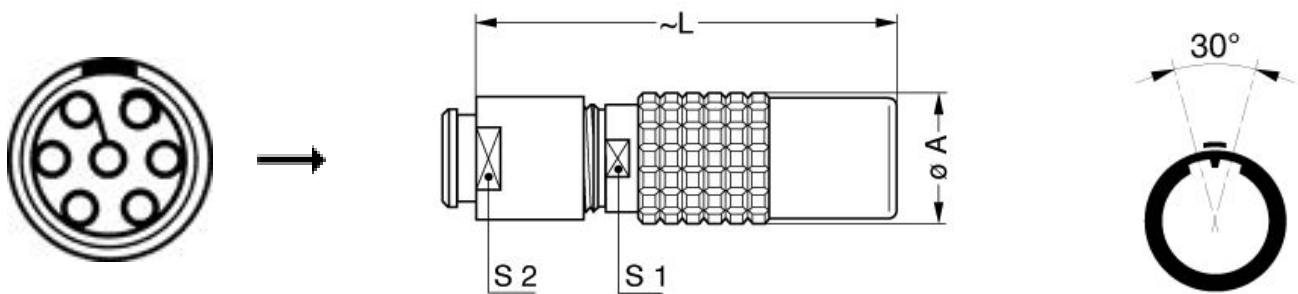
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Vtest (contact-shell): 700 V (AC), 990 V (DC)  
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

## 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	S1	S2
mm.	9.5	34.5	8	7
in.	0,37	1,36	0,31	0,28

## RECOMMENDED BY LEMO

### Tools

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Spanner wrench: [DCD.OB.005.PA070](#)

## Cables

CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNZE			

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