

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

Series	OB
Termination type	Male solder
IP rating	50
AWG wire size	28.00 - 20.00
Cable Ø	4.30 - 5.20 mm
Status	active
Matching parts	<a href="#">EGG.OB.303.CLL</a> <a href="#">PHG.OB.303.CLLD52Z</a>

### Download

- [Request a quote](#)
- [Eplan](#)
- [Catalog](#)
- [See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, 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 [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	8.49 g

### Performance

Configuration	OB.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	8 Amps

### Specifications

- Contact Type: Solder
- Contact Dia.: 0.9 mm (0.035in)
- Bucket Dia.: 1.0 mm (0.039in)
- Max. Solid Conductor: 0.56 mm<sup>2</sup> (AWG 20)
- Max. Stranded Conductor: 0.56 mm<sup>2</sup> (AWG 20)
- R (max): 4.8 mOhm

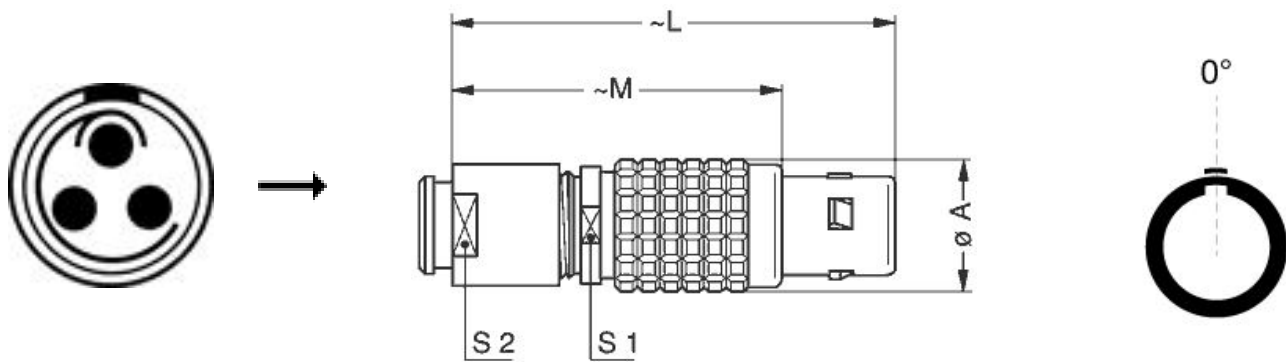
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Vtest (contact-shell): 900 V (AC), 1270 V (DC)  
Vtest (contact-contact): 1200 V (AC), 1700 V (DC)

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

Caps: [BFG.OB.100.PCSG](#)

## Cables

130240	PVC	Black	
130250	PVC	Grey	
30260	PVC	Black	
3220	PVC	Black	
60080	PVC	Grey	

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