

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series	0S
Termination type	Female solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	1.30 - 2.20 mm
Status	active
Matching parts	<a href="#">FFA.0S.302.CLAC17</a>

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PSA*: Fixed receptacle, nut fixing, 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	0S.302 : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	10 Amps

### Specifications

Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm <sup>2</sup> (AWG 22)
R (max): 4.8 mOhm
Vtest: 1500 V (AC), 2100 V (DC)

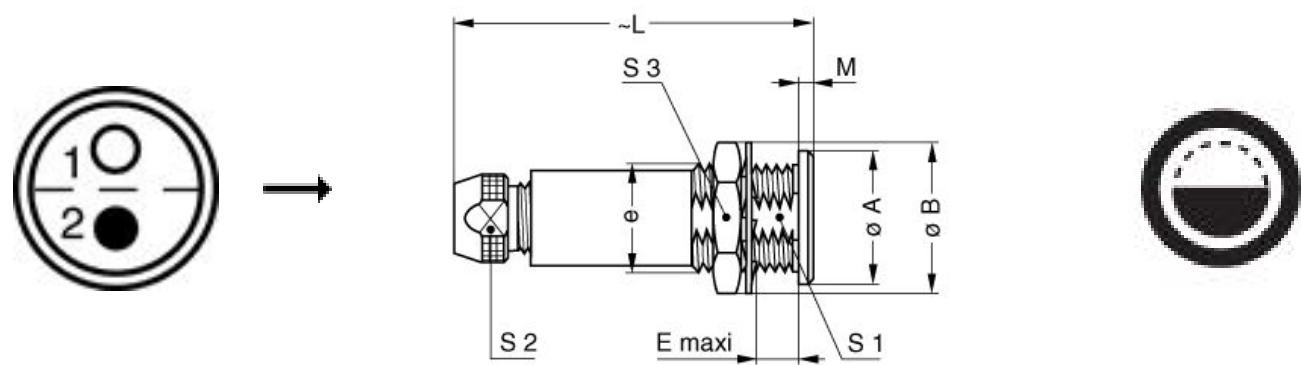
### Others

Endurance (Shell): 5000 mating cycles

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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	B	C	E	L	M	S1	S2	S3	e
mm.	10	12.5	4.2	7	33.5	1.2	8.2	6.5	11	M9x0.6
in.	0,39	0,49	0,17	0,28	1,32	0,05	0,32	0,26	0,43	

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.05.005.PA065](#)

### Cables

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20550	PUR	Black	
20560	PUR	White	
CMB.02.210.635	PUR	Black	

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