

## SUMMARY

### # Wires

Low voltage 2



*Image is for illustrative purpose only*

Series 2S  
Termination type Male solder  
IP rating 50  
AWG wire size 24.00 - 16.00  
Cable Ø 6.30 - 7.20 mm  
Status active  
Matching parts [ERN.2S.302.BLL](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FFP\*: Straight plug, cable collet, PEEK/POM outer shell, inner anti-rotating device, nut for bend relief  
Keying Hermaphroditic keying (half moon insert) with male pin 1  
Housing Material POM (black Polyoxymethylene) 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 21.57 g

### Performance

Configuration 2S.302 : 2 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 20 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 1.6 mm (0.063in)  
Bucket Dia.: 1.4 mm (0.055in)  
Max. Solid Conductor: 1 mm<sup>2</sup> (AWG 16)  
Max. Stranded Conductor: 1 mm<sup>2</sup> (AWG 18)

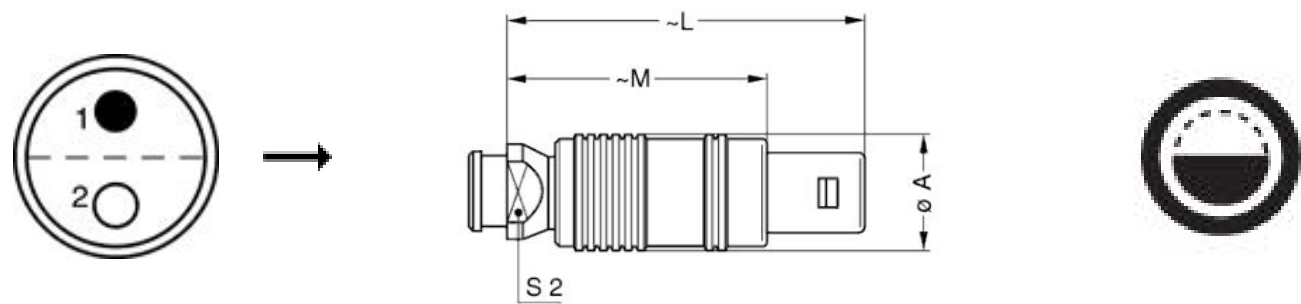
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R (max): 3.5 mOhm  
Vtest: 1700 V (AC), 2400 V (DC)

Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -50°C / +115°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	L	M	S2
mm.	15	51	39	12
in.	0,59	2,01	1,54	0,47

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.2S.025.PA110](#)

Cables

CMN.02.T18.064UNCU			
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