

## SUMMARY

### # Wires

Low voltage 1



*Image is for illustrative purpose only*

Series	1S
Termination type	Male solder
IP rating	50
AWG wire size	0.00 - 16.00
Cable Ø	5.20 - 6.20 mm
Status	active
Matching parts	<a href="#">ERA.1S.120.CTL</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FFA*: Straight plug, cable collet
Keying	Circular, male
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
Weight	17.32 g

### Performance

Configuration	1S.120 : 1 Low Voltage
Insulator	T: PTFE
Rated Current	18 Amps

### Specifications

Contact Type: Solder  
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)  
Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

### Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -55°C / +250°C

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Humidity (max): <=95% [at 60 deg C /140 F]

Vibration: 15 g [10 Hz - 2000 Hz]

Shock Resistance: 100 g [ 6 ms]

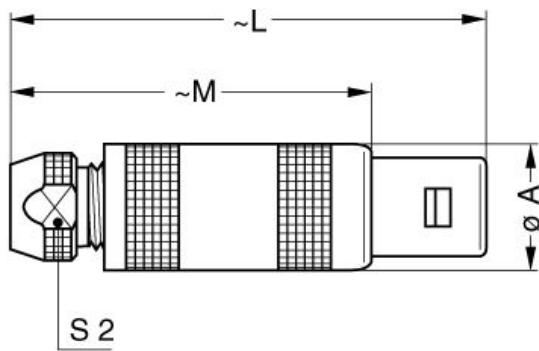
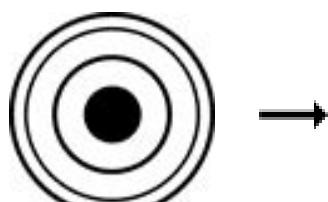
Climatical Category: 50/175/21

Shielding (min): 75 dB (10 MHz)

Shielding (min): 40 dB (1 GHz)

Salt Spray Corrosion: >144 hr

## DRAWINGS



### Dimensions

	A	L	M	S2
mm.	12	42.5	31.5	8.5
in.	0,47	1,67	1,24	0,33

## RECOMMENDED BY LEMO

### Tools

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

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