

SUMMARY

Wires

Low voltage	1
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Image is for illustrative purpose only

Series	1S
Termination type	Male solder
IP rating	50
AWG wire size	0.00 - 16.00
Cable Ø	5.90 - 6.50 mm
Status	active
Matching parts	ERA.1S.120.CTL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FFA*: Straight plug, cable collet and nut for fitting a bend relief
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

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)

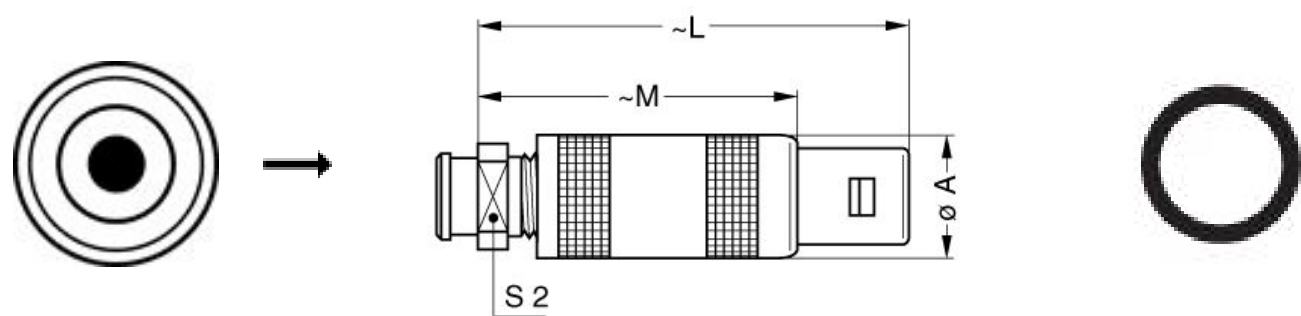
Others

Endurance (Shell): 5000 mating cycles
Temp (min / max): -55°C / +250°C
Humidity (max): <=95% [at 60 deg C / 140 F]

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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	9
in.	0,47	1,67	1,24	0,35

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCD.1B.015.PA090](#)

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