

SUMMARY

Wires

Low voltage	4
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Image is for illustrative purpose only

Series	1S
Termination type	Male crimp
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	6.30 - 7.20 mm
Status	active
Matching parts	ERA.1S.304.CLM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FFA*: Straight plug with oversize cable collet
Keying	Hermaphroditic keying (half moon insert) with male 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
Weight	28.78 g

Performance

Configuration	1S.304 : 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	10 Amps

Specifications

Contact Type: Crimp
 Vtest: 1200 V (AC), 1800 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]

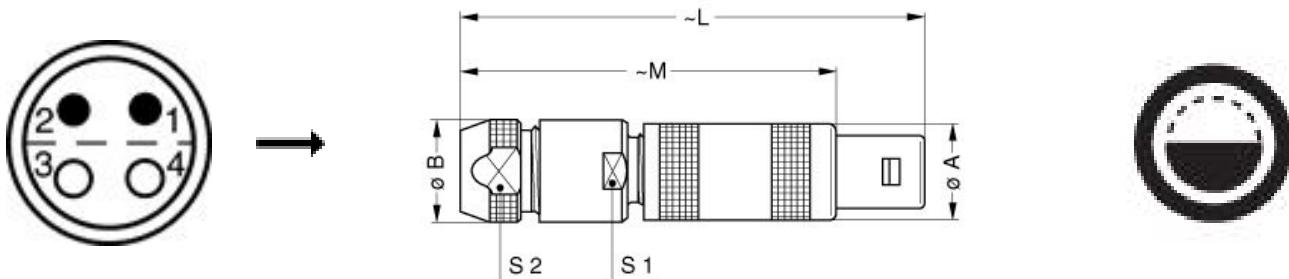
Climatical Category: 50/175/21

Shielding (min): 75 dB (10 MHz)

Shielding (min): 40 dB (1 GHz)

Salt Spray Corrosion: >144 hr

DRAWINGS



Dimensions

	A	B	L	M	S1	S2
mm.	12	13	57	46	12	11
in.	0,47	0,51	2,24	1,81	0,47	0,43

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: [DCE.91.091.BVC](#), [DCE.91.091.BVM](#)

Extractor: [DCF.91.090.2LT](#)

Replacement contact: FGG.1B.560.ZZC / EGG.1B.660.ZZM

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

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Cables

417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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