

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series 1S
Termination type Male solder
IP rating 50
AWG wire size 30.00 - 22.00
Cable Ø 6.30 - 7.20 mm
Status pre-release

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FGZ*: Straight plug - design chocolate block, 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 19.03 g

Performance

Configuration 1S.304 : 4 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 10 Amps

Specifications

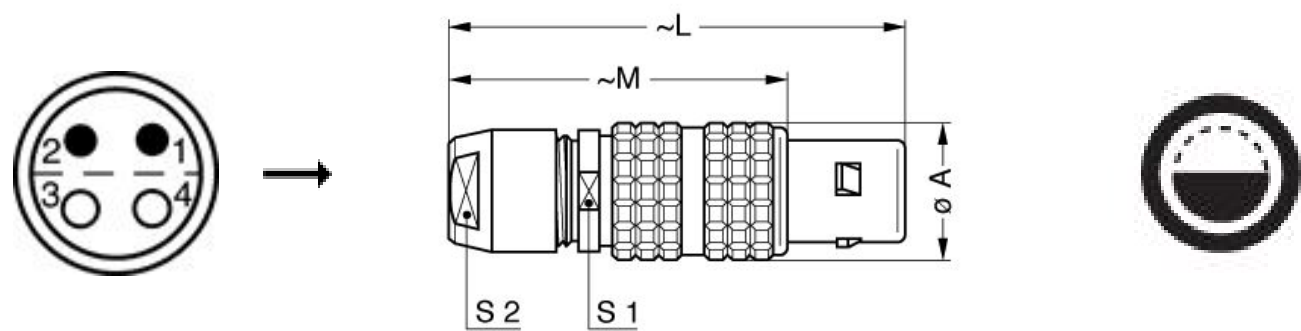
Contact Type: Solder
Contact Dia.: 0.9 mm (0.0354in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm
Vtest: 1200 V (AC), 1800 V (DC)
Air clearance min.: 1.1 mm
Creepage distance min.: 1.1 mm

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Others

Endurance (Shell): 5000 mating cycles
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	L	M	S1	S2
mm.	12	43	32	10	9
in.	0,47	1,69	1,26	0,39	0,35

RECOMMENDED BY LEMO

Tools

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

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Cables

417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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