

SUMMARY

Wires



Low voltage	2
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Image is for illustrative purpose only

Series	1S
Termination type	Female solder
IP rating	50
AWG wire size	28.00 - 20.00
Cable Ø	8.20 - 8.70 mm
Status	active
Matching parts	FAA.1S.302.CLA

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PCA*: Free receptacle with oversize cable collet
Keying	Hermaphroditic keying (half moon insert) with female 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	27.56 g

Performance

Configuration	1S.302 : 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	15 Amps

Specifications

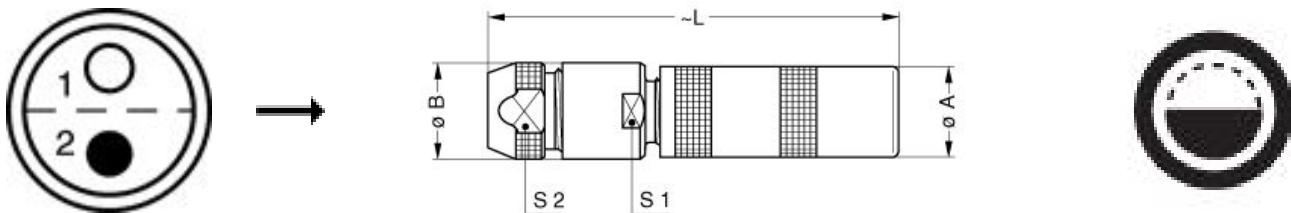
Contact Type:	Solder
Contact Dia.:	1.3 mm (0.051in)
Bucket Dia.:	1 mm (0.039in)
Max. Solid Conductor:	0.5 mm ² (AWG 20)
Max. Stranded Conductor:	0.5 mm ² (AWG 20)
R (max):	3.6 mOhm
Vtest:	1200 V (AC), 1800 V (DC)

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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	B	L	S1	S2
mm.	11.9	13	55	12	11
in.	0,47	0,51	2,17	0,47	0,43

RECOMMENDED BY LEMO

Tools

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

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