

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	1S
Termination type	Male solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	4.20 - 5.20 mm
Status	obsolete
Alternative part	FFP.1S.303.CLAC52Z
Matching parts	ERA.1S.303.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FFP*: Straight plug, cable collet and inner anti-rotating device and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief
Weight	18.09 g

Performance

Configuration	1S.303 : 3 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

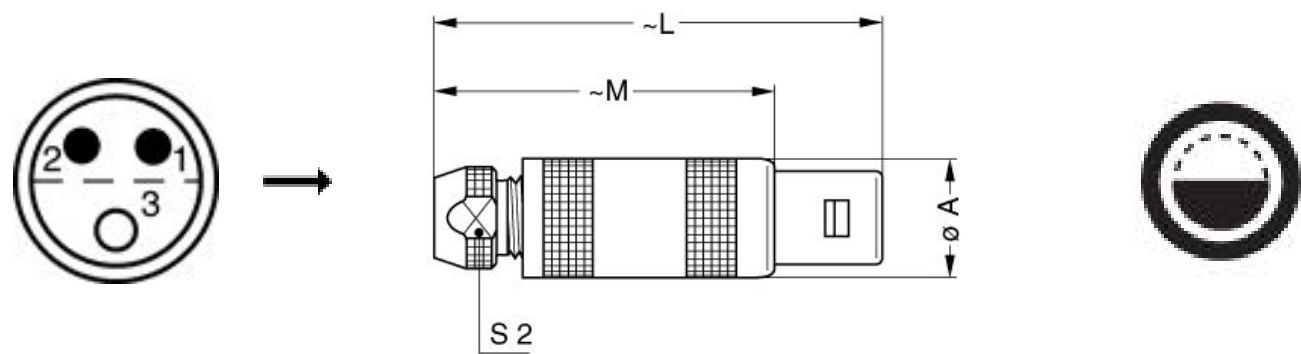
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Vtest: 1200 V (AC), 1800 V (DC)

Others

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

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

Cables

130240	PVC	Black	
130250	PVC	Grey	
30260	PVC	Black	
3220	PVC	Black	
60080	PVC	Grey	

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