

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	1S
Termination type	Female solder
IP rating	50
AWG wire size	22.00 - 22.00
Cable Ø	1.20 - 8.70 mm
Status	active
Matching parts	FFA.1S.303.CLAC22

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	ERA*: Fixed receptacle, nut fixing
Keying	Hermaphroditic keying (half moon insert) with female pin 1
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Weight	8.28 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 mm ² (AWG 22)
R (max):	4.8 mOhm
Vtest:	1200 V (AC), 1800 V (DC)

Others

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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: >1000 hr

DRAWINGS

Draws



Dimensions

















	A	B	E	L	M	S1	S3	e
mm.	14	16	7.5	21	1.5	10.5	14	M12x1.0
in.	0.55	0.63	0.30	0.83	0.06	0.41	0.55	

RECOMMENDED BY LEMO

Tools

Cables

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CMN.03.T22.049PGCE	PVC	GREY	
CMN.03.T28.031PGCE	PVC	GREY	
CMN.03.B12.113PLZ			
CMN.03.T22.049PGZE		Grey	
CMN.03.T22.049PNCE	PVC	Black	
CMN.03.T22.049PNZE			
CMN.03.T28.031PGZE		Grey	
CMN.03.T28.031PNCE	PVC	Black	
CMN.03.T28.031PNZE			
003 050	PVC	Black	
003 081	PVC	Black	
003 220	PVC	Black	
003 280	PVC	Black	
030 110	PVC	Grey	
030 141	PVC	Grey	
030 260	PVC	Black	
060 080	PVC	Grey	
130 240	PVC	Black	
130 250	PVC	Grey	

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