

## SUMMARY

### # Wires

High voltage	1
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*Image is for illustrative purpose only*

Series	1S
Termination type	Female solder High-Voltage
IP rating	50
AWG wire size	22.00 - 22.00
Cable Ø	1.20 - 8.70 mm
Status	active
Matching parts	<a href="#">FFR.1S.408.CLAE46</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	ERA*: Fixed receptacle, nut fixing
Keying	Circular, female
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Weight	8.29 g

### Performance

Configuration	1S.408 : 1 High Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	6 Amps

### Specifications

Contact Type: Solder  
Test voltage (kV DC) 18  
Test voltage (kV AC) 12.7  
Rear of connector must be protected: ATUM  
Creepage distance min.: 20.4 mm

### Others

Endurance (Shell): 5000 mating cycles

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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	E	L	M	e
mm.	14	7.5	29.9	1.5	M12x1.0
in.	0.55	0.30	1.18	0.06	

## RECOMMENDED BY LEMO

### Tools

### Cables

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121 221	PVC	Red	
131 221	PVC	Red	

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