

## 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	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FFR.1S.408.CLA61</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	ERD*: Fixed receptacle with two nuts (back panel mounting)
Keying	Circular, female
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	9.72 g

### Performance

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

### Specifications

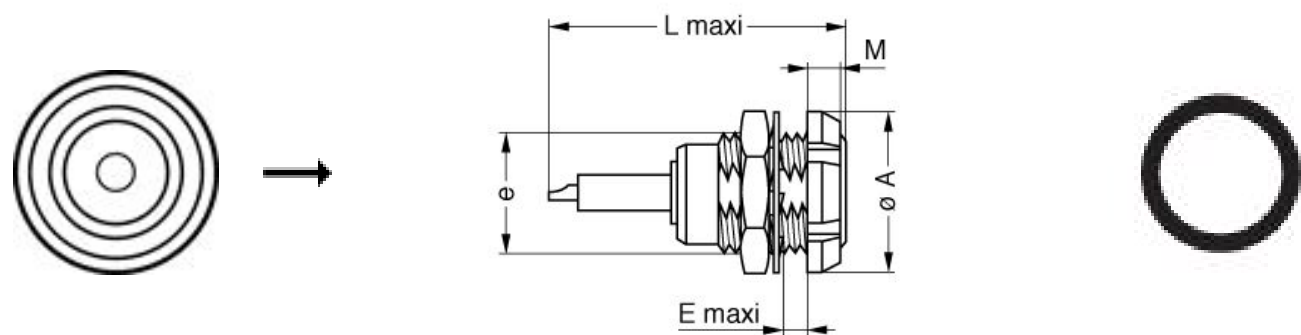
Contact Type: Solder
Test voltage (kV DC) 18
Test voltage (kV AC) 12.7
Rear of connector must be protected: ATUM
Creepage distance min.: 20.4 mm

### Others

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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



### Dimensions

	A	E	L	M	e
mm.	16	6	29.9	3.5	M12x1.0
in.	0,63	0,24	1,18	0,14	

## RECOMMENDED BY LEMO

### Tools

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