

## SUMMARY

### # Wires

High voltage 1



*Image is for illustrative purpose only*

Series 1S  
Termination type Female solder High-Voltage  
IP rating 68  
AWG wire size 30.00 - 22.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FFR.1S.408.CLA61](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EWB\*: Fixed receptacle, nut fixing, with two flats on the flange, watertight or vacuum-tight, high voltage  
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  
Variant PV : Watertight / Vacuum-tested  
Weight 17.01 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

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## Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -20°C / +100°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: 20/80/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
R leak (He) (max): 0.0000001 mbar\*l/s (if vacuum-tested)  
Salt Spray Corrosion: >1000 hr  
Pressure: 60 bars

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## DRAWINGS



## Dimensions

	A	E	L	M	e
mm.	18	12.5	40	4	M12x1.0
in.	0,71	0,49	1,57	0,16	

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## RECOMMENDED BY LEMO

### Tools

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