

## SUMMARY

### # Wires

High voltage 1

*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 4.00 - 4.60 mm  
Status active  
Matching parts [FFR.1S.408.CLAE46](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model \*:  
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 19.56 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: >144 hr

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1S.015.PA085](#)

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