

## SUMMARY

### # Wires

|              |   |
|--------------|---|
| High voltage | 1 |
|--------------|---|

*Image is for illustrative purpose only*

|                  |                            |
|------------------|----------------------------|
| Series           | OS                         |
| Termination type | Female solder High-Voltage |
| IP rating        | 50                         |
| AWG wire size    | 32.00 - 24.00              |
| Cable Ø          | 4.20 - 4.80 mm             |
| Status           | active                     |

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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            | 8.68 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | OS.405 : 1 High Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 4 Amps                    |

### Specifications

Test voltage (kV DC) 12  
Test voltage (kV AC) 8.4  
Rear of connector must be protected: ATUM  
Creepage distance min.: 13.5 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: >144 hr

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.05.005.PA065](#)

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