

## Fast Facts

### WHS-UL

## Wirewound High Surge UL Recognised Fusible Resistors



#### Features:

- Enhanced surge & pulse energy capacity
- UL1412 recognised fusible resistor (UL file E234469)
- Failsafe fusing at 120 / 240Vrms
- UL94-V0 flameproof coating
- Leadform options including surface mountable

#### Description:

WHS-UL is a flameproof wirewound resistor which combines high surge tolerance with failsafe line voltage fusing. Aimed at inrush control applications, the resistor is available in three body sizes rated at 2, 3 and 5W. The most common decade of values for this application, 10 to 100 ohms, is covered by E24 standard values.

As the latest addition to our growing portfolio of fusible resistors recognised to UL1412, WHS-UL is aimed at products with high inrush surge energies such as UPSs and large power supplies, as well as products with high lightning strike surge immunity demands such as energy meters. Designers will find it possible to meet surge requirements either with a larger safety margin or in a smaller body size due to the specially designed high energy windings. At the same time, product safety will be enhanced and UL approval more easily achieved by using this safety agency accredited component.

WHS-UL offers up to 30J of surge energy capacity and up to 7kV peak 1.2/50µs performance together with guaranteed safe fusing in fault condition overloads from as low as 30W. It is available in a wide range of lead preforms including vertical radial form in tape and ZI form for SMD processing.

#### Applications:

- Power supply
- White goods
- UPS
- Energy meter
- Motor drive

#### Benefits:

- High surge energy density permits greater product reliability with less PCB area being consumed.
- A resistor with UL1412 recognised fusibility enhances product safety and simplifies UL approval.
- The provision of full surge and fusing data supports rapid achievement of EMC and safety testing goals.

#### General Note

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