

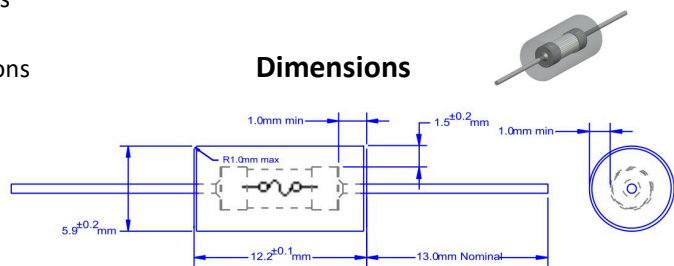
**Based on Littelfuse 242 series Barrier Network Fuse**

**Features**

- Littelfuse 242 series barrier fuse for Intrinsically Safe applications
- Pre-encapsulated by over-moulding in Nylon with a Comparative Tracking Index (CTI) of 275 or greater
- Eliminates the need to encapsulate fuses in circuit and possibly the need to encapsulate a circuit altogether
- More than 10mm creepage distance between leads allows for 250V rating (Um) when used in mains equipment
- Suitable for Mining as well as Surface applications  
Overmoulded fuse is fully RoHS compliant
- Breaking capacity 4000 A
- Suitable for voltages up to 250V uncoated.



**Dimensions**




**Packaging**

- Standard – 500 pieces single value packed loose
- Smaller quantities available. Check with Sales Team for details.

**Specification**

**Certification Details**

International Certification: IECEx SIR 07.0050U  
 European Certification: Sira 05ATEX 2274U  
 Ex Protection: Ex ia I Ma  
 Ex ia IIC Ga  
 Marking required:  I M1  
 II 1 G  
 Ambient Temperature Range: -50°C to +93°C  
 Maximum Installed Circuit Voltage: 250 Volts (uncoated)

Source Fuse	Littelfuse 242 series barrier network fuse
Fuse rating	See Littelfuse 242 data sheet. Meets EN50020.
Lead arrangement	Axial
Over-moulding (encapsulation) material	Polyamide
Minimum insulating thickness	>1mm
Creepage distance between leads	>10mm
CTI	275 or greater
Colour	Black with identifying coloured region

**Conditions of Safe Use**

- 1) The mounting of the fuse shall be such that its creepage and clearances distances comply with table 5 of IEC 60079-11:2011
- 2) The maximum external surface temperature rise of the fuses is 88.5K.
- 3) Due to size limitations, these overmoulded fuses bear no marking information or size identification; this information is shown on the product packaging label and detailed in this data sheet. Please refer to these items in order to determine the suitability of the particular fuse before use.

**Ordering Information**

Part Number	Littelfuse Part Number	Ampere Rating	Colour Coding
ISF011/050	0242.050UAT1	0.050	Red
ISF011/080	0242.080UAT1	0.080	Green
ISF011/100	0242.100UAT1	0.100	Blue
ISF011/160	0242.160UAT1	0.160	Violet
ISF011/200	0242.200UAT1	0.200	Brown
ISF011/250	0242.250UAT1	0.250	White

**Note:** For all other information on fuse ratings please refer to Littelfuse Data Sheet – 242 Series Barrier Network Fuse