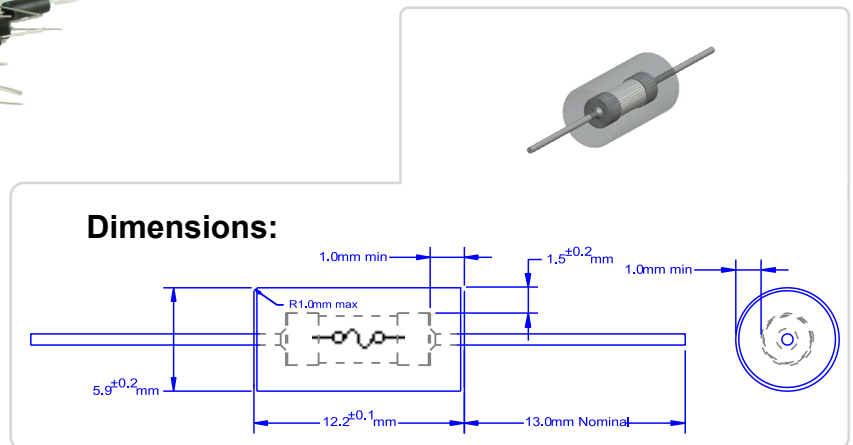


Over-moulded Axial Lead Fuses

ATEX/IEC Ex Intrinsically Safe Fuse · 250VAC · Barrier Network Fuse

ISF011 Series Fuse 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
- Certified to IEC\EN 60079-11
- Eliminates the need to encapsulate fuses in circuit and possibly the need to encapsulate a circuit altogether
- More than 10 mm creepage distance between leads allows for 250 V 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 250 V uncoated

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Specification

Source Fuse	Littelfuse 242 series barrier network fuse
Fuse rating	See Littelfuse data sheet 242. Meets requirements of EN50020 for barrier networks in hazardous areas
Lead arrangement	Axial
Over-moulding (encapsulating) material	Polyamide
Minimum insulating thickness	> 1mm
Creepage distance between leads	> 10mm
Comparative tracking Index	275 or greater
Colour	Black with identifying coloured region

Ordering Information

Part Number	Littelfuse Part No.	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

For all other information on fuse ratings please refer to Littelfuse Data Sheet - 242 Series Barrier Network Fuse

Packaging

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


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Certification Details

Certificates: International European	IECEX SIR 07.0050U Sira 05ATEX2274U
Certification Code	Ex ia IIC Ga Ex ia I Ma Ex [ia] (Ga) Ex [ia] (Ma)
Marking required by Directive 94/9/EC	I M1 II 1 G  I (M1) II (1) G
Ambient range:	-50°C to +93°C
Maximum Installed Circuit Voltage	250 Volts (uncoated)

Special Conditions for Safe Use

Mounting of fuse	The mounting of the fuse shall be such that its creepage and clearance distances comply with table 5 of IEC 60079-11:2011.
The maximum external surface temperature rise of the fuses	88.5 K
Marking	Due to size limitations, the marking shown on the actual fuses is limited. The full information is shown on the product packaging label and detailed in this data sheet. Therefore, the user/installer shall refer to these items in order to determine the suitability of the particular fuse before use.