

IECEX / ATEX Certified Fuse – 125VAC – Quick Blow

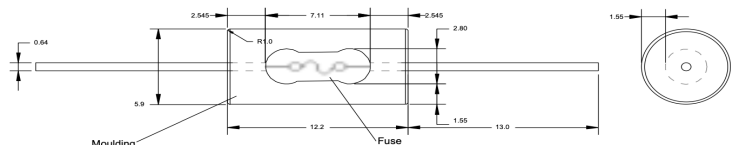
Based on Littelfuse 251 series Fuse

Features


- Littelfuse 251 series based fuse for Intrinsically Safe applications
- Pre-encapsulated by over-moulding in Nylon 66 with a Comparative Tracking Index (CTI) of 600
- Eliminates the need to encapsulate fuses in circuit and possibly the need to encapsulate a circuit altogether
- More than 10mm creepage distance between leads
- Suitable for Mining as well as Surface applications
- Overmoulded fuse is fully RoHS compliant
- Breaking capacity 300 A @ 125 VD and 50 A @ 125 VAC.



Dimensions



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 (I_N = 5A max)
 -50°C to +80°C (I_N = 7A max)
 -50°C to +45°C (I_N = 10A max)
 Maximum Installed Circuit Voltage: 125 Volts (uncoated)

Specification

Source Fuse	Littelfuse 251 series fuse
Fuse rating	See Littelfuse 251 data sheet
Lead arrangement	Axial
Over-moulding (encapsulation) material	Polyamide
Minimum insulating thickness	>1mm
Creepage distance between leads	>10mm
CTI	275 or greater
Colour	Blue 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: Up to 10A = 149.1K, up to 7A = 112.5K, up to 5A = 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	Part Number	Littelfuse Part Number	Ampere Rating	Colour Coding
ISF012/062	0251.062	0.062	Silver	ISF012/01.5	02511.5	1.5	Black/Silver
ISF012/125	0251.125	0.125	White	ISF012/002.	0251002.	2.00	Red/Silver
ISF012/200	0251.200	0.200	Black	ISF012/02.5	025102.5	2.50	Yellow/Silver
ISF012/250	0251.250	0.250	Red	ISF012/003.	0251003	3.00	Orange/Silver
ISF012/375	0251.375	0.375	Yellow	ISF012/03.5	025103.5	3.50	Green/Silver
ISF012/500	0251.500	0.50	Orange	ISF012/004.	0251004.	4.00	Violet/Silver
ISF012/750	0251.750	0.75	Green	ISF012/005.	0251005.	5.00	Silver/Silver
ISF012/001.	0251001.	1.00	Violet	ISF012/007.	251007	7.00	White/White
ISF012/1.25	02511.25	1.25	White/Silver	ISF012/010.	251010	10.00	Black/Black

Note: For all other information on fuse ratings please refer to Littelfuse Data Sheet – 251/252 Series.