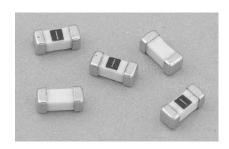
# **BUSSMANN**

## 6125FA

## Fast acting surface mount fuse





### **Product features**

- Fast acting surface mount fuse
- Complies with the EIA-IS-722 Standard
- Solder Immersion Compatible
- Overcurrent protection of systems up to 125 Vac/dc
- Wire-in-air design

### Agency information

- UL Listed Guide and File Numbe JDYX & E19180
- UL Recognized Guide and JDYX2 & E195337
- CSA Component A Class No: 1422

#### **Environmental data**

- Shock: MIL-STD-202, Method 213, Test condition 1 (100 g's peak for 6 milliseconds)
- Vibration: MIL-STD-202, Method 201, (10 55 Hz, 0.06 inch total excursion)
- Salt spray: MIL-STD-202, Method 101, Test condition B (48
- Insulation resistal, te: MIL-STD 200 Method 200 est condition A (Arta) opening) 10, 000 ohms min.
- Thermal shock: MIL-STD- 0. Method 1%. Test condition B 25 °C)
- cat: MILATD-202, Method 210, Test Solder info mation

  • Ware sorder: 260 °C, 10 sec max.
  (w.U\_- GTD-202, Ale bod 210)
  • Infrared reflow, 200 °C, 30 sec max.

  Order ng

  • Standard Product code

	SPECIFICATIONS									
	Product	_ (( )	Voltage			nterrupting		Resistance	Typical	Typical
Code			Rating			Rating*			Melt	Voltage
Į		1		DC \	1.75v AC	125V DC	86V DC	Тур.	l²t†	Drop (V)‡
	12 FA250mA	125V	1. 50	861/	50A	300A	10,000A	0.65	0.01	0.30
1	6125FA375mA	125V	<sup>1</sup> 25V	86	50A	300A	10,000A	0.36	0.03	0.25
E	125FA500n 4	125V	125V	86V	50A	300A	10,000A	0.24	0.06	0.22
٦	6125F 750mA	12 iV		5V	50A	300A	10,000A	0.15	0.07	0.17
	6125FA. 1	75	125	86V	50A	300A	10,000A	0.11	0.14	0.17
	125 A1.25A	125V	25	86V	50A	300A	10,000A	0.09	0.24	0.16
N	6 25 A1.5A	125V	12 5V	86V	50A	300A	10,000A	0.07	0.41	0.15
1	125FA2A	125	25V	86V	50A	300A	10,000A	0.05	0.80	0.15
J	6125FA2.5A	_12.V_	125V	86V	50A	300A	10,000A	0.038	1.4	0.14
	6125FA? A	. 251	125V	86V	50A	300A	10,000A	0.028	2.4	0.13
	61 251 A3.57	12. V	125V	86V	50A	300A	10,000A	0.025	3.3	0.13
	612 (FA-,A	125V	125V	86V	50A	300A	10,000A	0.022	4.4	0.13
	6125 A5A	125V	125V	86V	50A	300A	10,000A	0.016	7.8	0.12
	6125FA6.2	125V	125V	86V	50A	300A	10,000A	0.012	14.0	0.12
	6125FA7/	125V	125V	86V	50A	300A	10,000A	0.011	19.0	0.114
	6125FA10A	125V	N/A	86V	50A	N/A	10,000A	0.007	44	0.107
	6125FA12A	125V	N/A	86V	50A	N/A	10,000A	0.006	69	0.103
	6125FA15A	N/A	N/A	86V	N/A	N/A	10,000A	0.004	124	0.098

AC Interrupting Rating (Measured at designated voltage, 100% power factor); DC Interrupting Rating (Measured at designated voltage, time constant of less than 50 microseconds, battery source)

<sup>†</sup> Typical Melting I<sup>2</sup>t (Measured with a battery bank at rated DC voltage, 10x-rated current, time constant of calibrated circuit less than 50 microseconds) † Typical Voltage Drop (Measured at rated current after temperature stabilizes)

Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient



DC Cold Resistance (Measured at 10% of rated current)

# TIME CURRENT CURVE Dimensions- mm (in) 1.35±.25 (0.053±.010) 1.35<u>+</u>.25 Drawing Not to Scale 1 2.59+.250 Top View $(0.102\pm.010)$ 2.59<u>+.</u>250 6.10±.25 (0.240±.010) End View 2.6 (0.102) (0.118) Land Pattern Flickaging Cole Desc of bin TRI Support Policy: Eator Support Poli

Life Support Policy: Eaton does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user

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#### Eaton

Electronics Division

1000 Eaton Boulevard Cleveland, OH 44122 United States www.eaton.com/electronics

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