

## RADIAL LEADED PTC BX/BU MODEL

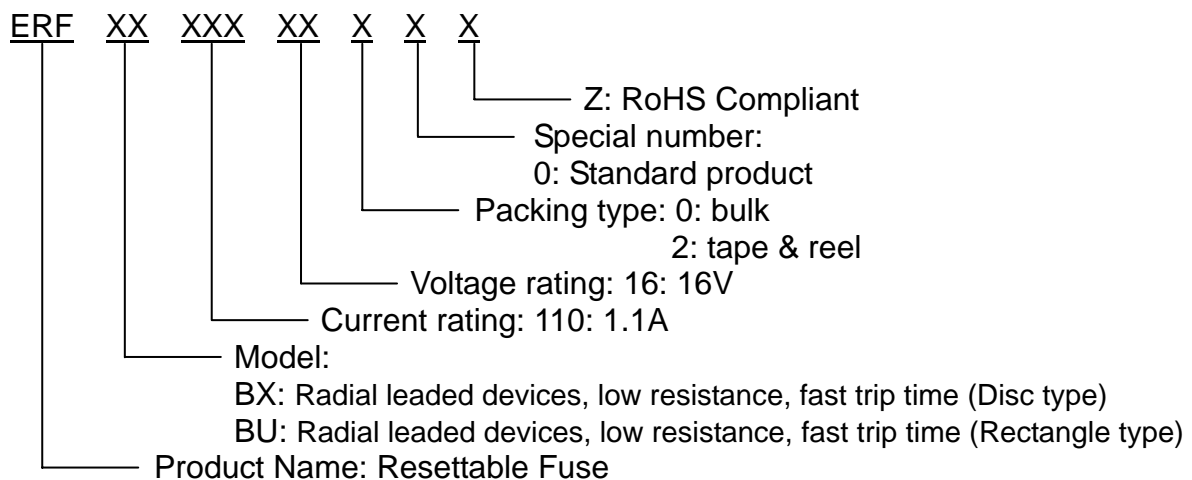
### ■ FEATURES

- Radial Leaded, lower resistance, fast trip time and solid state
- Operation current 750mA~2.5A
- Maximum Voltage 16V
- Temperature range -40°C to 85°C
- Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirement
- Bulk packaging, tape and reel available on most models

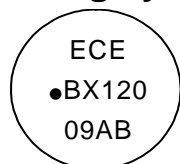
### ■ APPLICATIONS

- ◆ Almost anywhere there is a low voltage power supply and a load to be protected including:
  - Computers & peripherals
  - USB hosts: desktop PC \ notebook
  - USB self-powered hubs: monitor \ stand-alone hub
  - USB bus- powered hubs: keyboard
  - USB function: CCD camera \ joystick \ scanner

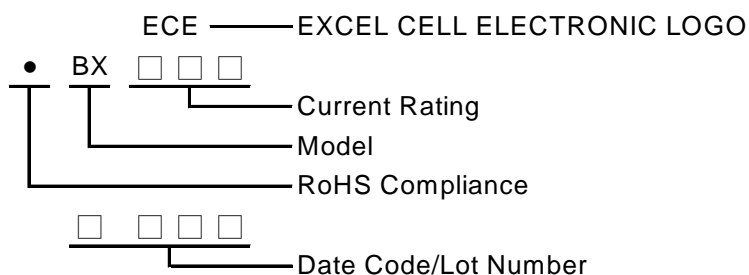
### ■ PART NUMBERING SYSTEM



### ■ Marking system



Example



**NOTE: Specifications subject to change without prior notice.**

## ■ Electrical characteristics(23°C)

Part Number	Hold Current	Trip Current	Max. Time to trip		Maximum Current	Rated Voltage	Typical Power	Resistance Tolerance	
			at 8A	at 5xI <sub>H</sub>				R <sub>MIN</sub>	R <sub>1MAX</sub>
	I <sub>H</sub> , A	I <sub>T</sub> , A			I <sub>MAX</sub> , A	V <sub>MAX</sub> , V <sub>dc</sub>	P <sub>d</sub> , W	Ω	Ω
<b>BX075</b>	0.75	1.30	0.4	--	40	16/30	0.3	0.080	0.23
<b>BX120</b>	1.20	2.00	0.5	--	40	16/30	0.6	0.040	0.14
<b>BX155</b>	1.55	2.70	0.6	--	40	16/30	0.7	0.030	0.12
<b>BU090</b>	0.90	1.80	1.2	5.9	40	16/30	0.6	0.070	0.18
<b>BU110</b>	1.10	2.20	2.3	6.6	40	16/30	0.7	0.050	0.14
<b>BU135</b>	1.35	2.70	4.5	7.3	40	16/30	0.8	0.040	0.12
<b>BU160</b>	1.60	3.20	9.0	8.0	40	16/30	0.9	0.030	0.11
<b>BU185</b>	1.85	3.70	10.0	8.7	40	16/30	1.0	0.030	0.09
<b>BU250</b>	2.50	5.00	40.0	10.3	40	16/30	1.2	0.020	0.07

I<sub>H</sub>=Hold current-maximum current at which the device will not trip at 23°C still air.

I<sub>T</sub>=Trip current-minimum current at which the device will always trip at 23°C still air.

V<sub>MAX</sub>=Maximum voltage device can withstand without damage at rated current.

I<sub>MAX</sub>= Maximum fault current device can withstand without damage at rated voltage (V max).

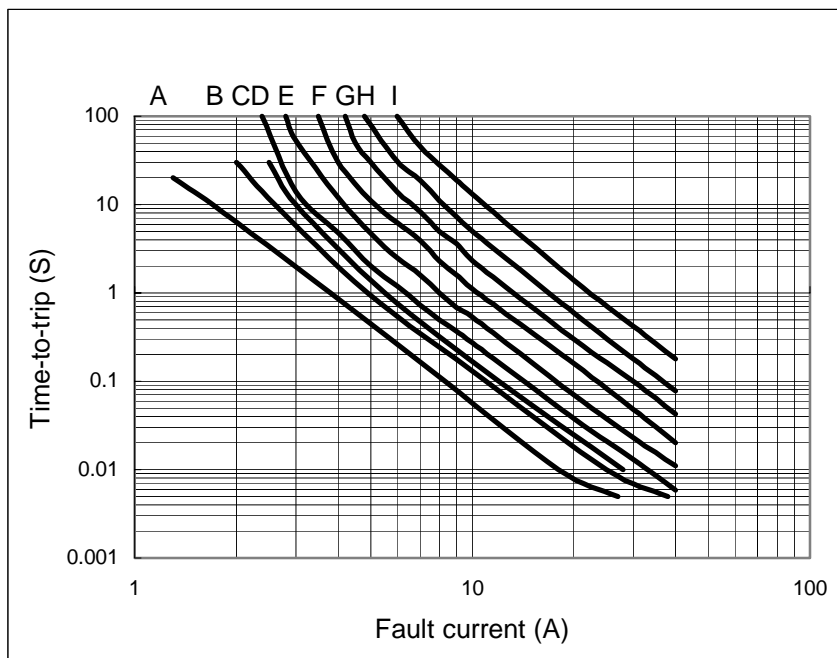
P<sub>d</sub>=Typical power dissipated from device when in the tripped state in 23°C still air environment.

R<sub>MIN</sub>=Minimum device resistance at 23°C.

R<sub>1MAX</sub>=Maximum device resistance at 23°C 1 hour after tripping

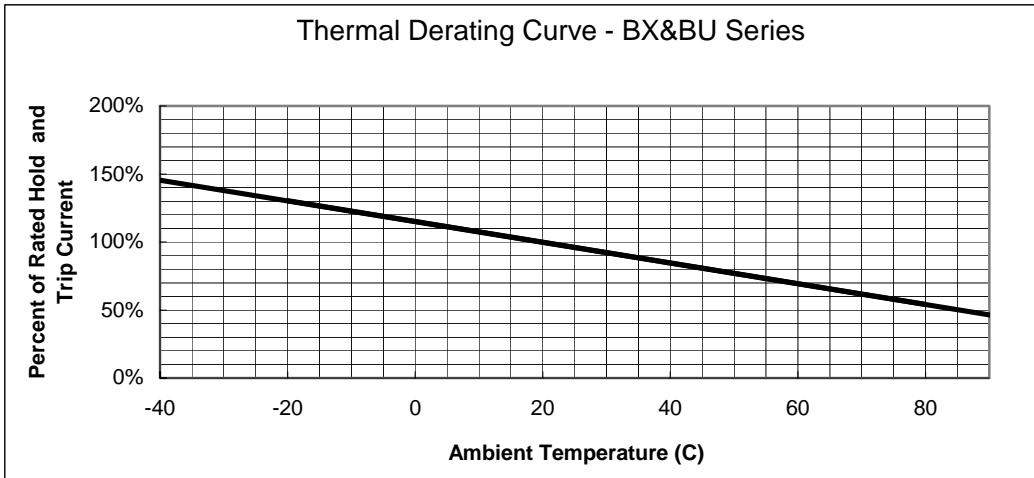
## ■ Typical time-to-trip-at 23°C

A=BX075  
B=BX120  
C=BX155  
D=BU090  
E=BU110  
F=BU135  
G=BU160  
H=BU185  
I=BU250



**NOTE: Specifications subject to change without prior notice.**

## ■ Thermal Derating Curve



## ■ BX / BU Product Dimensions (UNIT: mm)

Part Number	A	B	C	D	E	F	Figure
	Maximum	Maximum	Typical	Minimum	Maximum	Typical	
<b>BX075</b>	6.9	11.4	5.1	7.6	3.0	0.8	2
<b>BX120</b>	6.9	11.7	5.1	7.6	3.0	0.8	2
<b>BX155</b>	6.9	11.7	5.1	7.6	3.0	0.8	2
<b>BU090</b>	7.4	12.2	5.1	7.6	3.0	0.8	1
<b>BU110</b>	7.4	14.2	5.1	7.6	3.0	0.8	1
<b>BU135</b>	8.9	13.5	5.1	7.6	3.0	0.8	1
<b>BU160</b>	8.9	15.2	5.1	7.6	3.0	0.8	1
<b>BU185</b>	10.2	15.7	5.1	7.6	3.0	0.8	1
<b>BU250</b>	11.4	18.3	5.1	7.6	3.0	0.8	1

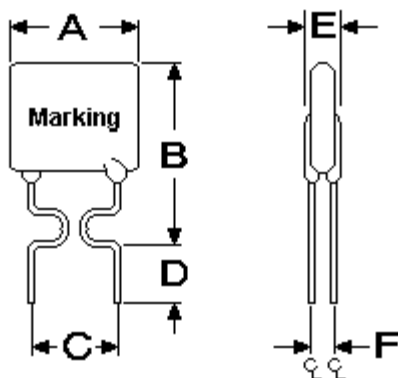


FIG 1

BU Model

- Lead Size: 24AWG
- $\varnothing$  0.51mm Diameter

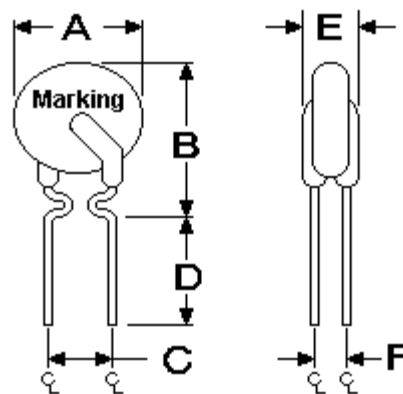


FIG 2

BX Model

- Lead Size: 24AWG
- $\varnothing$  0.51mm Diameter

**NOTE:** Specifications subject to change without prior notice.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Specialty Fuses](#) category:*

*Click to view products by [ECC manufacturer](#):*

Other Similar products are found below :

[63NZ02GL](#) [714125](#) [722134](#) [80NH00GR-6](#) [FWH-200A](#) [FWP-32A14F](#) [FWP-50](#) [HBM-25](#) [12LCT](#) [12TDLSJ63](#) [REN-3](#) [15.5CAVH2E](#) [ECF-2](#)  
[ECF-4](#) [ECF-6](#) [170M0213](#) [170M1314](#) [170M1369-D](#) [170M3809D](#) [BK/F02A-2AS](#) [BK/F02B-1A](#) [N-2-1/2](#) [N-3-2/10](#) [NITD2](#) [20D16](#) [20D16SC](#)  
[20D27FB](#) [KAA-3](#) [KAB-2](#) [KAB-30](#) [KAJ-60](#) [KAW-3](#) [2D16](#) [LKN-125B](#) [16D27SB](#) [170M1564D](#) [170M2616](#) [170M2668](#) [170M4161](#)  
[170M4241](#) [170M4699](#) [ESD63](#) [ABS-25](#) [ABS-30](#) [ABS-8](#) [ACF-15](#) [ACF-30](#) [ACO-30](#) [SSD10](#) [200NH1M](#)