

ECE	EXCEL CELL ELECTRONIC CO., LTD.	NO.	A31082	PAGE 1/4
SPECIFICATION		Edition	4	

Resettable Fuse : LX/LU Model

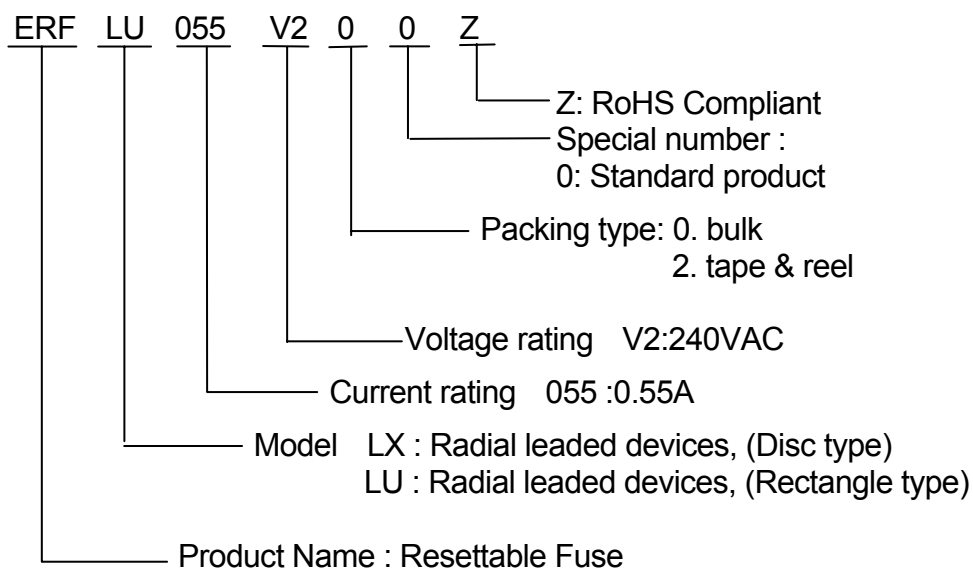
1. Features

- 1-1 RoHS Compliant
- 1-2 Low hold current, solide stste,
- 1-3 Radial-leaded product ideal for up to 265VAC/265VDC
- 1-4 Operation current: 0.05A~2.00 A
- 1-5 Maximum operating voltage: 240VAC/VDC
- 1-6 Maximum interrupt voltage: 265VAC/VDC
- 1-7 Temperature range -40 to 85
- 1-8 Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirement
- 1-9 Bulk packaging, tape and reel available on most models

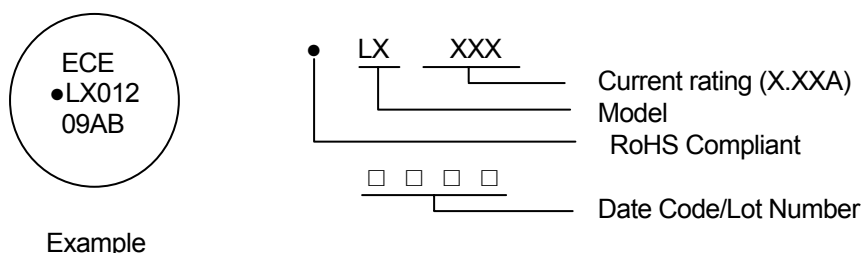
2. Applications

- 2-1 Power Supply
- 2-2 Power Transformer
- 2-3 240VDC/VAC Equipment

3. Part numbering system



4. Marking system





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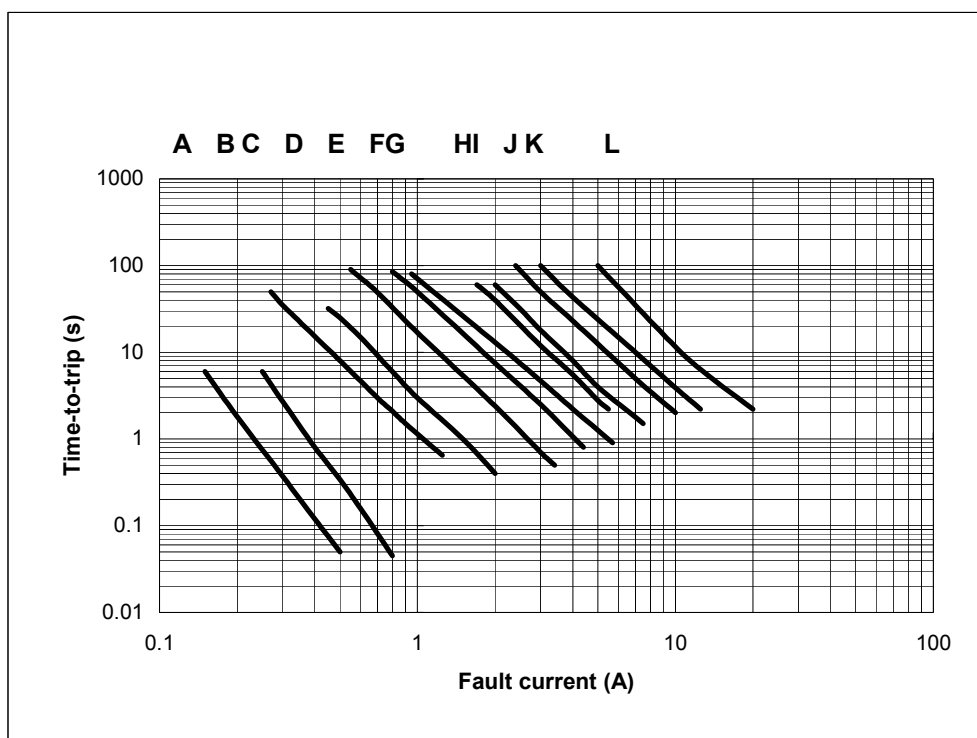
5. Electrical characteristics(23)

Part Number	Hold Current I_H, A	Trip Current I_T, A	Max.Time to Trip at 5x I_H	Maximum Current I_{MAX}, A	Rated Voltage V_{MAX}, V	Typical Power Pd, W	Resistance Tolerance	
							R_{MIN} Ω	$R1_{MAX}$ Ω
LX005-V2	0.05	0.12	15.0	1.0	240	0.70	18.50	65.0
LX008-V2	0.08	0.19	15.0	1.2	240	0.80	7.40	26.0
LX012-V2	0.12	0.30	15.0	1.2	240	1.00	3.00	12.0
LX016-V2	0.16	0.37	15.0	2.0	240	1.40	2.50	7.80
LU025-V2	0.25	0.56	18.5	3.5	240	1.50	1.30	3.80
LU033-V2	0.33	0.74	18.5	4.5	240	1.70	0.83	2.60
LU040-V2	0.40	0.90	24.0	5.5	240	2.00	0.60	1.90
LU055-V2	0.55	1.25	26.0	7.0	240	3.40	0.45	1.45
LU075-V2	0.75	1.50	18.0	7.5	240	2.60	0.32	0.84
LX100-V2	1.00	2.00	21.0	10.0	240	2.90	0.22	0.58
LX125-V2	1.25	2.50	23.0	12.5	240	3.30	0.17	0.44
LU200-V2	2.00	4.00	28.0	20.0	240	4.50	0.09	0.22

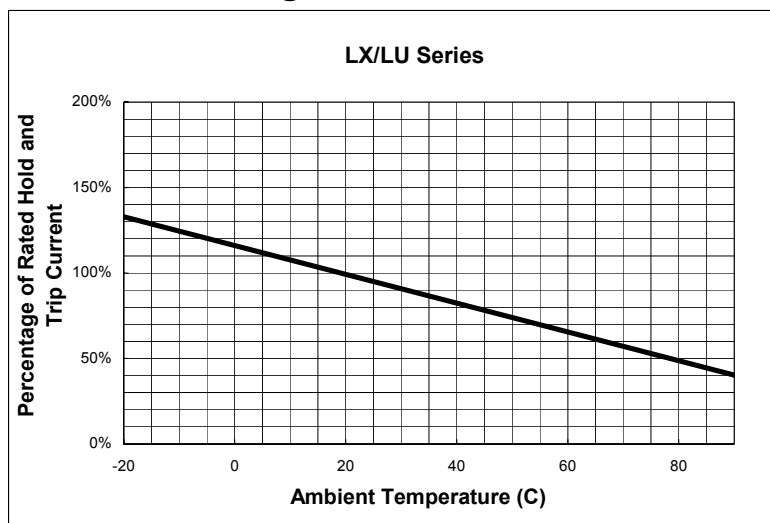
I_H =Hold current-maximum current at which the device will not trip at 23 still air.
 I_T =Trip current-minimum current at which the device will always trip at 23 still air.
 V_{MAX} =Maximum voltage device can withstand without damage at rated current.
 I_{MAX} = Maximum fault current device can withstand without damage at rated voltage (V max).
Pd=Typical power dissipated from device when in the tripped state in 23 still air environment.
 R_{MIN} =Minimum device resistance at 23 .
 $R1_{MAX}$ =Maximum device resistance at 23 1 hour after tripping .

6. Typical Time-To-Trip at 23

A=LX005-V2
B=LX008-V2
C=LX012-V2
D=LX016-V2
E=LU025-V2
F=LU033-V2
G=LU040-V2
H=LU055-V2
I=LU075-V2
J=LX100-V2
K=LX125-V2
L=LU200-V2



7. Thermal Derating Curve



8. Material and Physical specifications:

Lead material : LX/LU005-V2~LX/LU016-V2 Tin plated copper,24 AWG.

LX/LU025-V2~LX/LU040-V2 Tin plated copper,22 AWG.

LX/LU055-V2~LX/LU200-V2 Tin plated copper,20 AWG.

Soldering characteristics:MIL-STD-202, Method 208E.

Insulating coating:Flame retardant epoxy ,meet UL-94V-0 requirement.

9. LX/LU Product Dimensions (millimeters)

Part Number	A	B	C	D	E	Figure
	Maximum	Maximum	Typical	Minimum	Maximum	
LX005-V2	8.3	10.7	5.1	7.6	3.8	1
LX008-V2	8.3	10.7	5.1	7.6	3.8	1
LX012-V2	8.3	10.7	5.1	7.6	3.8	1
LX016-V2	9.9	12.5	5.1	7.6	3.8	1
LU025-V2	9.6	17.4	5.1	7.6	3.8	2
LU033-V2	11.4	16.5	5.1	7.6	3.8	2
LU040-V2	11.5	19.5	5.1	7.6	3.8	2
LU055-V2	14.0	21.7	5.1	7.6	4.1	3
LU075-V2	11.5	23.4	5.1	7.6	4.8	3
LX100-V2	18.7	24.4	10.2	7.6	5.1	4
LX125-V2	21.2	27.4	10.2	7.6	5.3	4
LU200-V2	24.9	33.8	10.2	7.6	6.1	3

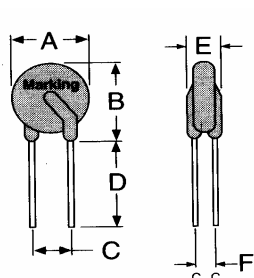


FIG1

Lead Size : 24AWG
Φ 0.51 mm Diameter

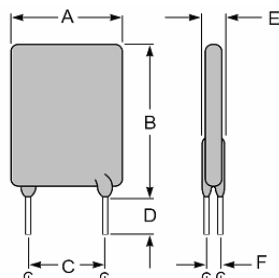


FIG2

Lead Size : 22AWG
Φ 0.65 mm Diameter

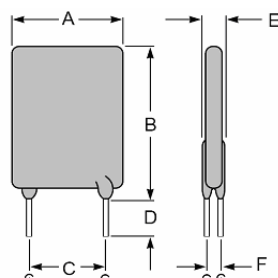


FIG3

Lead Size : 20AWG
Φ 0.81 mm Diameter

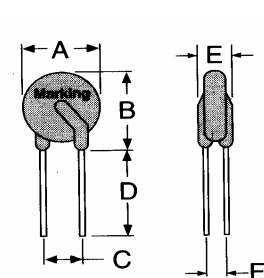


FIG4

Lead Size : 20AWG
Φ0.81 mm Diameter

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10. Packing

P/N	Pcs/Bag	Reel /Tape
LX005-V2	500	2K
LX008-V2	500	2K
LX012-V2	500	2K
LX016-V2	500	2K
LU025-V2	300	1.5K
LU033-V2	200	1.5K

P/N	Pcs/Bag	Reel /Tape
LU040-V2	200	1.5K
LU055-V2	200	1.0K
LU075-V2	200	----
LX100-V2	100	----
LX125-V2	100	----
LU200-V2	100	----