RADIAL LEADED PTC
HX/HU MODEL

c UL us E175689, TÜV pending

■ FEATURES

- Low hold current, Solid state
- Radial-leaded product ideal for up to 60V/600V
- Operation current: 0.08A~0.18 A
- Maximum voltage: 60V/250V/600V
- Temperature range -40℃ to 85℃
- Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirement
- Bulk packing, tape and reel available on most models

■ APPLICATIONS

- Network Equipment
- Customer Premise Equipment
- Modem/ Information Technology Equipment
- Satellite Receivers

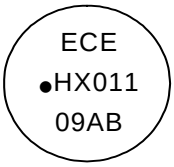
■ PART NUMBERING SYSTEM

ERF XX XXX XX X X X

- X: Z: RoHS Compliant
- X: Special number:
  0: Standard product
  U: Unencapsulated part
- X: Packing type:
  0: bulk
  2: tape & reel
- XX: Voltage rating:
  V3: 250V (int)
  V4: 600V (int)
- XXX: Current rating: 011: 0.11A
- XX: Model:
  HX: Radial leaded devices, low hold current (Disc type)
  HU: Radial leaded devices, low hold current (Rectangle type)
- ERF: Product Name: Resettable Fuse

NOTE: Specifications subject to change without prior notice.

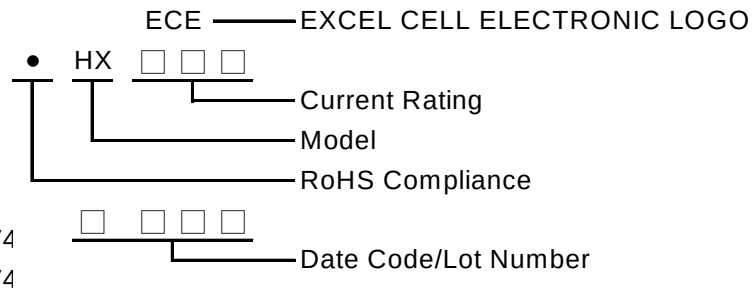
■ Marking system



Example

*HU015-V4 Marking: HU015V4

*HU016-V4 Marking: HU016V4



■ Electrical characteristics(23℃)

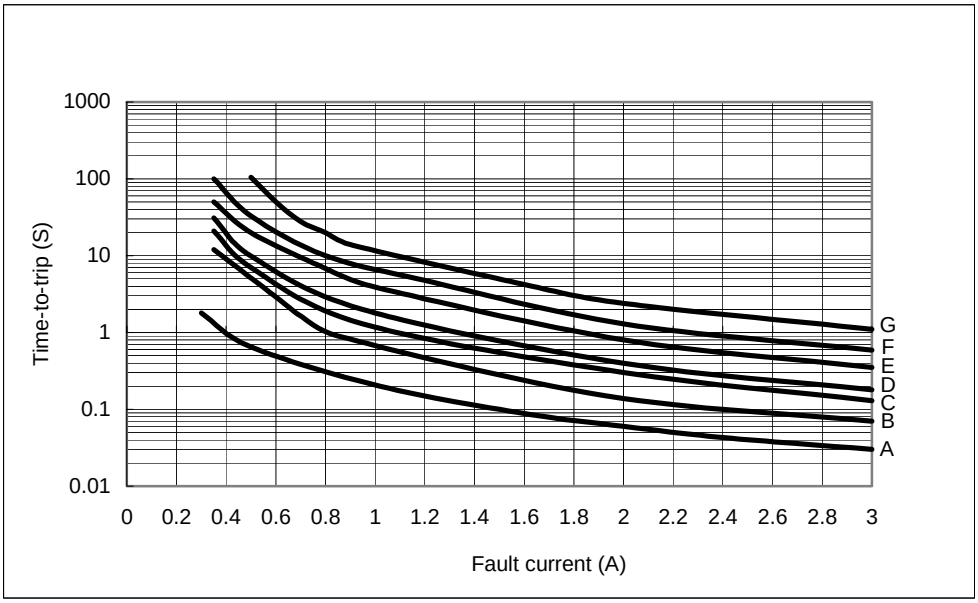
Part Number	Hold Current	Maximum Current	Max Oper. Voltage	Max Int. Voltage	Resistance Tolerance	
					R_{MIN}	$R1_{MAX}$
	I_H, A	I_{MAX}, Amp	V_{MAX}, Vdc	V_{I-MAX}, Vdc	Ω	Ω
HX008-V3 U	0.08	3.0	60	250	14.0	33.0
HX008-V3	0.08	3.0	60	250	14.0	33.0
HX011-V3 U	0.11	3.0	60	250	5.0	16.0
HX011-V3	0.11	3.0	60	250	5.0	16.0
HU012-V3 U	0.12	3.0	60	250	6.0	16.0
HU012-V3	0.12	3.0	60	250	6.0	16.0
HU015-V3 U	0.15	3.0	60	250	3.0	12.0
HU015-V3	0.15	3.0	60	250	3.0	12.0
HU018-V3 U	0.18	10.0	60	250	0.8	4.0
HU018-V3	0.18	10.0	60	250	0.8	4.0
HU015-V4	0.15	3.0	60	600	6.0	22.0
HU016-V4	0.16	3.0	60	600	4.0	18.0

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 its 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 .

NOTE: Specifications subject to change without prior notice.

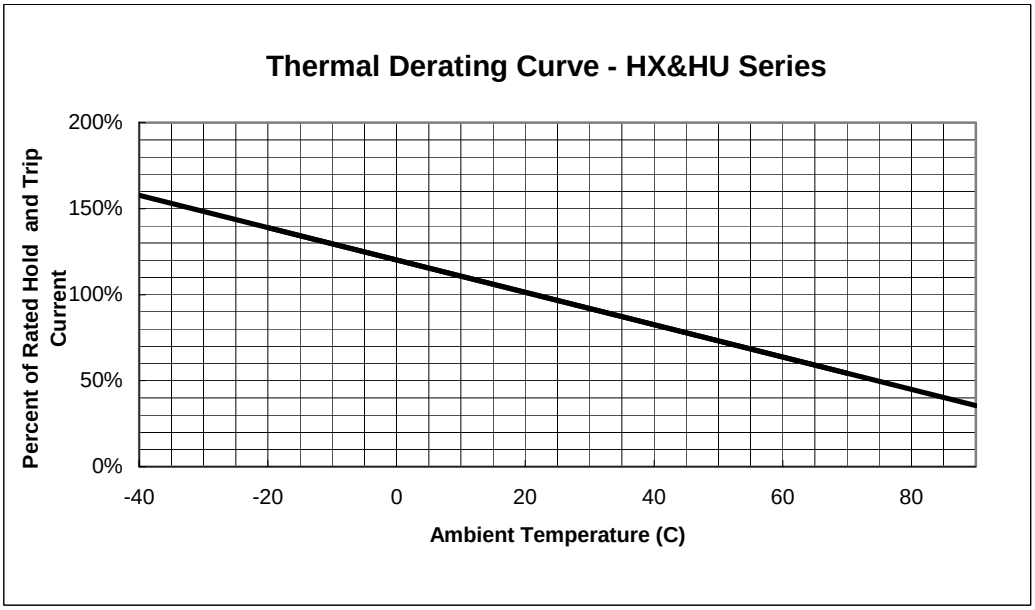
■ Typical Time-To-Trip at 23℃

A=HX008-V3(U)
B=HX011-V3(U)
C=HU012-V3(U)
D=HU015-V3(U)
E=HU018-V3(U)
F=HU015-V4
G=HU016-V4



NOTE: ALL HX/ HU products are designed to assist equipment to pass ITU, UL1950 or GR1089 specification.
CAUTION: HX/ HU devices are not intended for continuous use of Line Voltage such as 120VAC and above.

■ Thermal Derating Curve

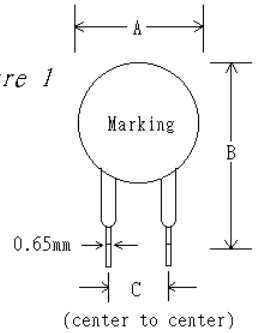


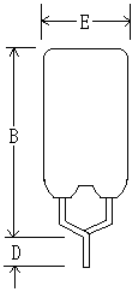
NOTE: Specifications subject to change without prior notice.

■ HX/HU Product Dimensions (UNIT: mm)

Part Number	Fig	A	B	C	D	E
		Maximum	Maximum	Typical	Minimum	Maximum
HX008-V3 U	1	5.1	9.1	5.0	4.7	3.8
HX008-V3	1	5.8	9.6	5.0	4.7	4.6
HX011-V3 U	1	5.9	9.4	5.0	4.7	3.8
HX011-V3	1	6.8	9.9	5.0	4.7	4.6
HU012-V3 U	2	6.0	10.0	5.0	4.7	3.8
HU012-V3	2	6.5	11.0	5.0	4.7	4.6
HU015V3 U	2	6.0	10.0	5.0	4.7	3.8
HU015V3	2	6.5	11.0	5.0	4.7	4.6
HU018-V3 U	2	10.4	12.6	5.0	4.7	3.8
HU018-V3	2	10.9	12.6	5.0	4.7	4.6
HU015-V4	2	13.5	12.6	5.0	4.7	6.0
HU016-V4	2	16.0	12.6	5.0	4.7	6.0

Figure 1



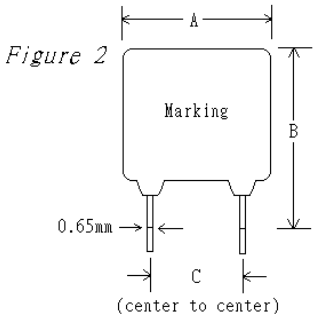


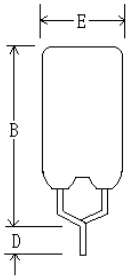
HX Model

●Lead Size: 22AWG

● φ 0.65mm Diameter

Figure 2





HU Model

●Lead Size: 22AWG

● φ 0.65mm 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