



U-TAH INDUSTRY LTD..PART.

# Drop-Out Fuse Cutout

## *Single-Vent Type*



- ✎ U-tah drop-out fuse cutout type DH112, 212, and 301 are designed to meet ANSI-NEMA standard.
- ✎ Rated voltage up to 38 kV.
- ✎ Rated continuous up to 100 A.
- ✎ Interrupting current 8 kA(Asym.) and 12 kA(Asym.)
- ✎ High efficiency to protect distribution lines and equipments.
- ✎ Interchangability.
- ✎ ISO 9001 certificated.

**Reliability**

Every U-tah drop-out fuse cutout switch meets ANSI / NEMA standard. U-tah drop-out fuse cutouts have been widely used for many years by both industries and power utilities in Thailand.

**High Quality**

Carefully selected materials coupled with high standard workmanship bring U-tah drop-out fuse cutout switches to the high quality level. The power utilities have experienced dependable performance of U-tah drop-out fuse cutout in tropical climate at its full ratings in out door application.

**Efficient Interruptability**

U-tah drop-out fuse cutout effects and dependable intereupction of any current from minimum melting to maximum fault within the rating. Consistent performance is assured by glass fiber reinforced epoxy resin small bore tube and spring load feature.

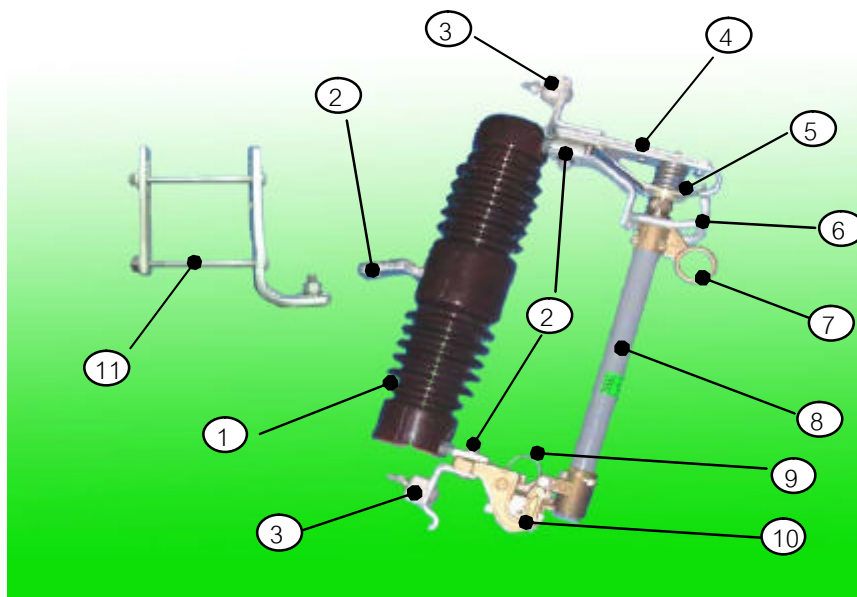
**Production & Quality Control**

All U-Tah Type DH drop-out fuse cutouts are manufactured to fully meet the international standards. Foreign technical cooperation helps assure manufacturing process, quality conformity, testing and quality control and make Type DH drop-out fuse cutout an international protective device.

**SPECIFICATION**

Specification	U-tah Drop-Out Fuse Cutout		
	Single-Vent Type		
Type	DH112	DH212	DH301
Rated norminal voltage (kV)	14.4	25.0	34.5
Rated maximum voltage (kV)	15.5	27.0	38.0
Rated continuous current (A)	100		
Rated frequency (Hz)	50/60		
Rated interrupting current (kA)(Asym)	8,12	8,12	8
Rated power withstand voltage (kV)			
- Dry test (1min.)	35	42	70
- Wet test (10sec.)	30	36	60
BIL (kV)	95	125/150	150
Creepage distance to ground (mm.)	216	330/420	650
Net weight (kg)			

## Features & Materials



**1. Insulator** : Insulators for U-tah drop-out fuse cutout are heavy duty and brown glazed. Made of porcelain with galvanized steel insert support.

**2. Mounting Insert** : Made of galvanized steel.

**3. Upper & Lower Terminal** : Made of Tin-plate bronze parallel groove type are standard on U-tah drop-out fuse cutout. They can accommodate aluminium or copper conductor size range 35-120 sqmm.

**4. Upper Backup** : Made of galvanized steel and high mechanical strength.

**5. Top Contact** : The top contact are attached to the galvanized steel backup members. It combines the superior current carrying characteristics of copper with mechanical strength of galvanized steel to provide an excellent contacting area with the fuse holder when in the closing condition.

**6. Load Break Hook** : Galvanized steel hooks are standard on all U-tah drop-out fuse cutout to be opened under load with the use of loadbuster, serving to guide the fuse holder during close operations.

**7. Pulling Eye** : For standard hook stick operated.

**8. Fuse Tube** : The valvanized fiber lining tube, being by the fiberglass-epoxy outer tube, provides the superior strength necessary for the higher interrupting rating.

**9. Lifting Eye** : For standard hook stick operated.

**10. Hinge Support** : The hinge on all U-tah drop-out fuse cutout employs large pivot areas for the fuseholder trunnion and is cast of copper alloy chosen for its strength and corrosion resistance.

**11. Mounting Bracket** : U-tah drop-out fuse cutout including a NEMA Duty Type-B mounting bracket.

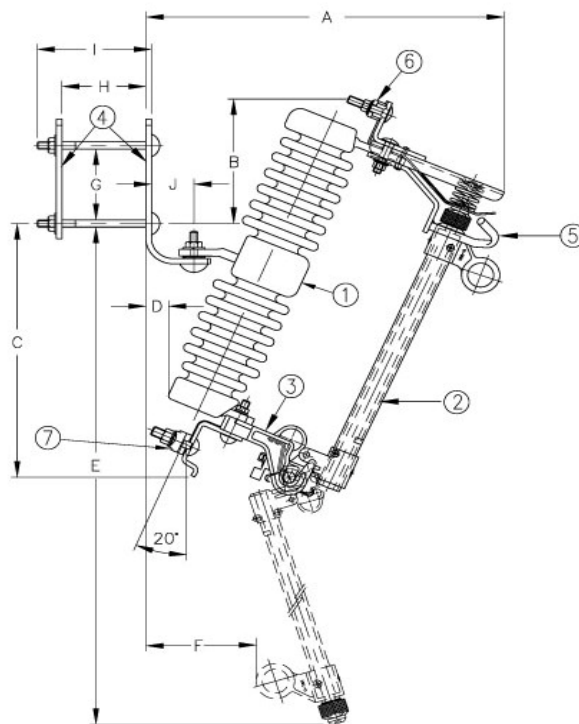
## Drop-Out Fuse Cutout Single-Vent Type

**Type-DH**

The U-tah drop-out fuse cutouts are single pole single throw type, hook stick operated, under no load condition, Loadbuster hooks for use with portable load interrupter tool are available on order. The U-tah drop-out fuse cutouts are suitable for outdoor installation under the following service condition.

- altitude up to 1000 m. Above mean sea level.
- Ambient air temperature up to 40°C.
- Relative humidity up to 100%.

## Dimensions



Type	Dimensions (mm.)										Weight (kg.)
	A	B	C	D	E	F	G	H	I	J	
DH112	420	125	300	54	620	125	105-131	68-131	140	57	10.0
DH212	430	140	320	40	700	130	105-131	68-131	140	57	11.5
DH301	470	200	400	10	920	110	105-131	68-131	140	57	18.0