



U-TAH INDUSTRY LTD..PART.

Low Tension Fuse Switch



- * Low tension fuse switch type LT1604 are designed to meet DIN and IEC standard
- * Rate voltage 660 V
- * Rate current 400 A
- * ISO 9001 certificated.

Description

Application

U-tah LT1604 Outdoor Fuse Switch is of low tension, single-pole, single-throw, with one fuse mounted on its moving member. The fuse serves for the purpose of protecting a circuit against damage from an excessive current. U-tah Fuse Switch is designed for DIN and IEC standard fuse sizes 1 and 2 according to requirement.

Service conditions

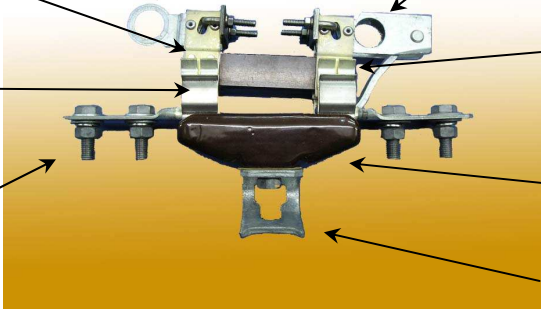
- U-tah LT1604 Fuse Switches are suitable for used under the following conditions of service :
- An ambient temperature having a peak value not exceeding 50°C , with an average value not exceeding 45°C over 24 hour period.
 - An attitude not exceeding 1000 m. above sea-level.
 - An atmosphere not subjecting to excessive pollution by smoke, chemical fumes, salt-laden spray, humidity or other abnormal conditions.
 - The rated current being 400 A and the rated voltage 600 V.

Operation

U-tah LT1604 Fuse Switches are for installation underneath the cross-arms on concrete poles. They serve as main switches receiving power from the transformer, or feeder protection switches for distribution of power from the main power line to two or more feeders.

U-tah LT1604 Fuse Switches are operated by a hook-stick. With the lifting eye the movable unit with mounted fuse is first attached to the fixed unit by the holding bar hook. The switch is then brought to the closed position with the hook stick engaging the operating eye, swinging the free end of the movable unit to about 3 cm. from the fixed contact, and following by a quick upward thrust. The fixed and moving contacts are thus made. To break the contact, the reverse operations are carried out.

Construction



Moving contact : Made of copper with silver plated.

Operating eye : For standard hook stick operation.

Lifting eye : For standard hook stick operation.

Back-up plate : Stainless steel plate

Fixed contact : Made of copper with silver plated.

Insulator : Single brown glazed porcelain.

Terminal pads : Made of copper with tin plated, drilled and spaced in compliance with NEMA standard.

Mounting support : Galvanized steel.

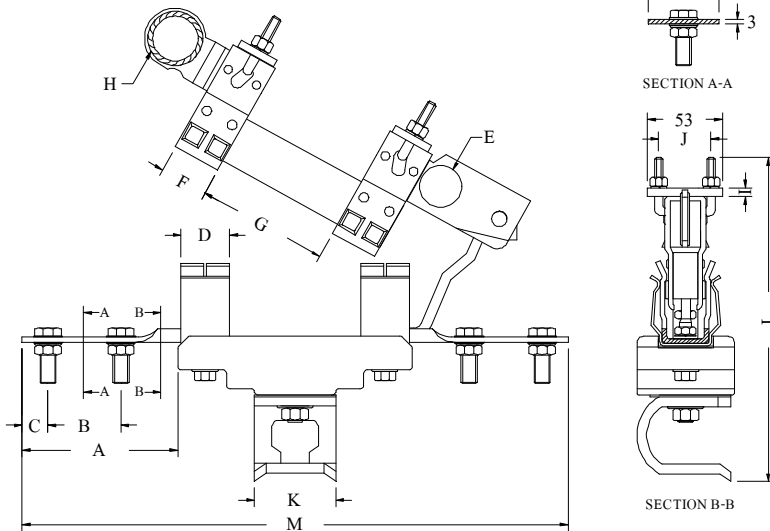
Terminal pads :

Each terminal pad has two bolt holes spaced in compliance with NEMA standard. The two holes, each equipped with a set of bolt, nut, flat washer and spring washer, are meant for attaching a terminal lug which connects cable sizes from 35 to 250 sqmm.

Movable unit :

The movable unit consists of a bakelite bar and a copper, with silver plated, fixed by means of two aluminium pins on each end. The ends of the copper silvered plate, projecting out from one side of the bakelite bar, are designed to be the moving contacts.

Dimension



Type	LT1604	
Dimensions (mm.)	A	95
	B	44.5
	C	16
	D	30
	E	Φ26
	F	30
	G	81
	H	Φ26
	I	4.8
	J	38
	K	50
	L	223
	M	333
WIGHT(kg.)	3.1	