

Auxiliary Contact Kit



Hazards of electrical shock or burn! Turn off power before working inside this equipment.

Used with:

Heavy Duty Switches.

These Kits are direct replacements:

Cat. No.	Replacement Cat. No.
THAUX66D	THAUX6
THAUX64D	THAUX4 THAUX3 except 30A devices
THAUX61S	THAUX3-30A devices SPDT Applications

KIT SELECTION

Cat. No	Type TH Switch	Contacts	Ratings					
THAUX66D	30-100A 6Pole	DPDT	Continuous Carry: 15 Amp					
THAUX66DA	400 & 600A NEMA 1 & 3R MOD 4 NEMA 4/5 & 12 Mill Duty		Heavy Pilot Duty Rating					
			AC			DC		
			Volts	Inrush Current		Break Normal Current	Volts	Break Normal Current
N.C.	N.O.							
THAUX66D2	200A 6 Pole NEMA 1, 3R & 12		115	30	15	15.0	125	0.5
THAUX64D	60-200A NEMA 1 & 3R MOD 4 200A MOD 5 NEMA 4/5 & 12 } 30A/600V Mill Duty } 60-200A		230	30	15	15.0	250	0.25
			460	30	15	15.0	-	-
			575	15	15	2.0	-	-
THAUX61S	30A NEMA 1 & 3R MOD 4 – 240/600V NEMA 4/5 & 12 – 240V Mill Duty - 240V	SPDT	10A 125/250 VAC .3A 125 VDC .15A 250 VDC					
THAUX21D	30A NEMA 1 & 3R MOD 4 – 240/600V NEMA 4/5 & 12 – 240V Mill Duty – 240V	DPDT						

CONTACT ARRANGEMENT

When used in Type TH safety switches, the auxiliary contacts will be actuated (make or break) prior to the actuation of the safety switch main contacts. The auxiliary contact position relative to the switch main contact positions are:

Auxiliary Switch Terminal Identification	Switch "ON"		Switch "OFF"	
	DPDT	SPDT	DPDT	SPDT
Normally Open -N.O.				
Common -C				
Normally Closed -N.C.				

Figure 1.

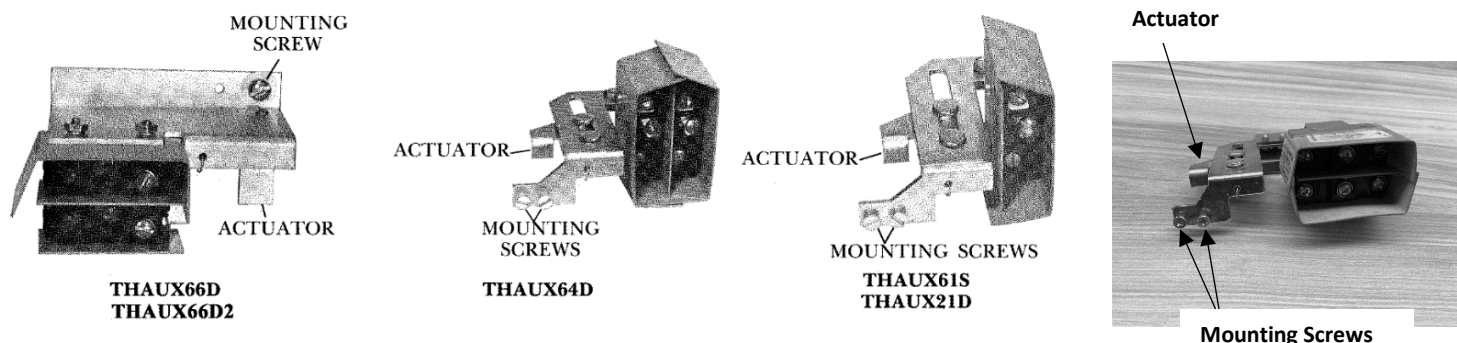
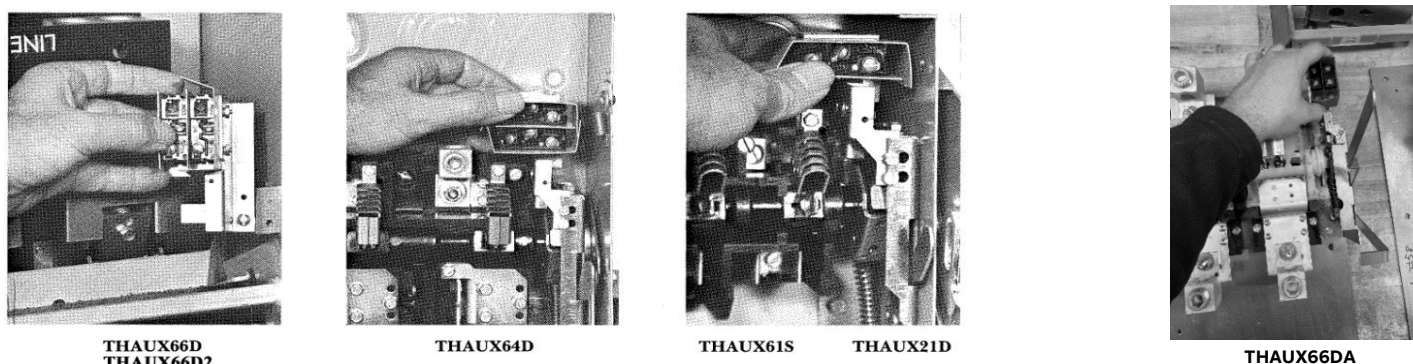


Figure 2.



CAUTION: Turn safety switch to OFF and de-energize line conductors. Remove arc shield from 30 thru 200A switches.

Installation:

1. For easy of assembly it is suggested auxiliary switch be wired prior to fastening in position. Normally open (N.O.) and normally closed (N.C.) terminals are with the main safety switch contacts "ON". Remove enough insulation so that the wire can be wrapped at least 3/4 of the distance around the terminal screw and nest within the cup washer.
2. **THAUX66D, THAUX66D2**
Holding auxiliary switch as shown in Fig. 2, fasten mounting bracket to safety switch mechanism plate, using screw attached to mounting bracket. Tighten screw to 27-32 in-lbs screw torque.

3. **THAUX64D, THAUX66DA, THAUX61S, THAUX21D** Back out, but do not remove, the two mounting screws, (fig. 1) so that the mounting bracket can be placed under the slots in the plate shown in fig. 2. With auxiliary switch in place, tighten flat head mounting screws to 9-11 in-lbs screw torque. Replace arc shield. Be certain control wires are away from mechanism and moving switch parts.
4. Before energizing circuit, check the mechanical operation of the auxiliary contacts by slowly operating the safety switch several times. Listen for "click" of contacts as handle is operated. Now check circuit continuity to be sure the kit has been installed as intended.
5. Circuit may now be energized.