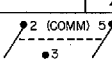
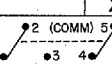
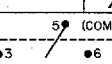
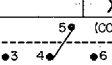


NKK® SERIES S TOGGLE SWITCHES

HIGH CAPACITY/AC & DC/2 & 3 POLE/BUSHING MOUNT

POLES, CIRCUITS, & RATINGS

POLE & THROW	MODEL	TOGGLE POSITION AND TERMINAL NUMBERS			ELECTRICAL CAPACITY				TERMINALS			TOGGLES		
		Down	Center	Up	Resistive		Inductive		Solder Lug	Screw	Quick Connect	Bat	Plastic Paddle	Fluorescent Tip Paddle
					AC 125V	AC 250V	DC 30V	AC 125V PF 0.6						
DPST	S821	ON	NONE	OFF	30A	30A	---	---		X		X		
CONNECTED TERMINALS		2-3 5-6	OPEN	OPEN	SCHEMATIC: 									
DPDT	S532	ON	NONE	ON	30A	15A	30A	15A		X		X		
	S533	ON	OFF	ON	30A	15A	30A	15A		X		X		
	S732	ON	NONE	ON	50A	30A	50A	25A		X		X		
	S822	ON	NONE	ON	30A	30A	---	---		X		X		
	S823	ON	OFF	ON	30A	30A	---	---		X		X		
CONNECTED TERMINALS		2-3 5-6	OPEN	2-1 5-4	SCHEMATIC: 									
3PST	S831	ON	NONE	OFF	30A	30A	---	---		X		X		
CONNECTED TERMINALS		2-3 5-6 8-9	OPEN	OPEN	SCHEMATIC: 									
3PDT	S522	ON	NONE	ON	30A	15A	30A	15A		X		X		
	S523	ON	OFF	ON	30A	15A	30A	15A		X		X		
	S832	ON	NONE	ON	30A	30A	---	---		X		X		
	S833	ON	OFF	ON	30A	30A	---	---		X		X		
CONNECTED TERMINALS		2-3 5-6 8-9	OPEN	2-1 5-4 8-7	SCHEMATIC: 									

Terminal numbers are on the switch.

UL Recognized: S820s & S830s.

CSA Certified: S532, S533, S820s, S830s.

GENERAL SPECIFICATIONS

Contact Resistance:	10 milliohms maximum
Insulation Resistance:	1,000 megohms minimum @ 500V DC for S522, S523, S732, and S800s 2,000 megohms minimum @ 500V DC for S532, S533
Dielectric Strength:	2,000V AC minimum for S500s & S800s 3,000V AC minimum for S732
Mechanical Life:	50,000 operations minimum
Electrical Life:	25,000 operations minimum
Ambient Temp Range:	- 10°C through +70°C (+14°F through +158°F)
Angle of Throw:	25° for S522 & S523 27° for S532 & S533 28° for S800s 32° for S732

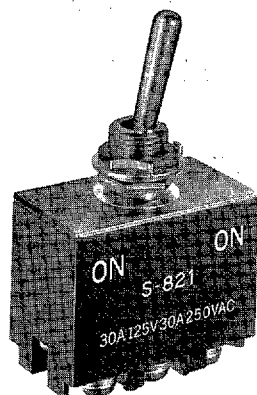
MOUNTING NUTS FOR S SERIES

All S Series switches are supplied with the same backup nut; however, the face nuts differ as shown in the table below.

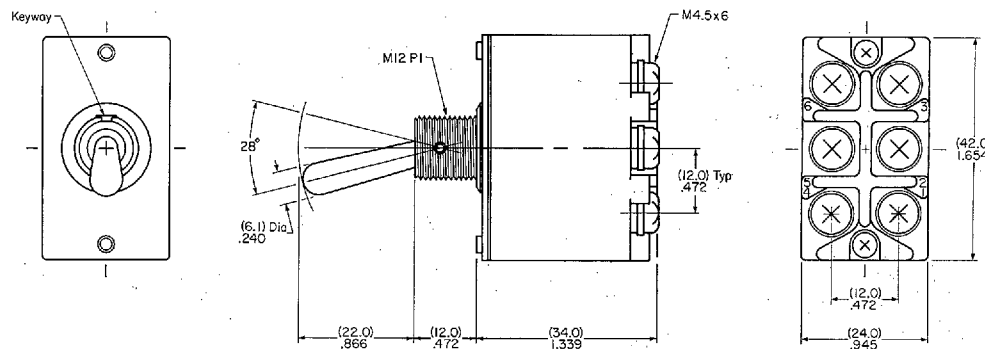
Series	Hex Nut AT503	Knurled Nut AT504M	Series	Hex Nut AT503	Knurled Nut AT504M
S1AW~29AW	X	---	S821~833	X	---
S1A~3B	---	X	S532~732	X	---
S21A~7B	---	X	S522~523	X	---
S114~211	---	X	S821D~833D	X	---
S31~39	X	---	S532D~533D	X	---
S41~49	X	---	S41R~339RN	---	X
S301~309T	X	---	S1F~333F	X	---
S331~339T	X	---	S1001~4012	---	X
S421~429T	X	---			

The minor difference in hardware thickness does not change the allowable panel thickness shown on page S14.

Dimensions for S821 ~ S823



S821 Model Shown



S821 model does not have terminals 1 & 4.

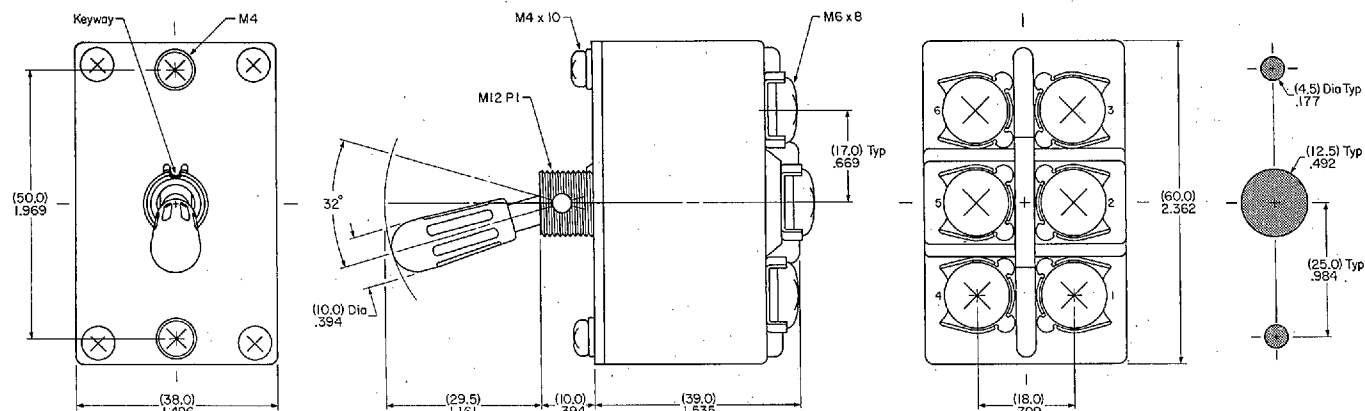
NKK® SERIES S TOGGLE SWITCHES

Toggle

HIGH CAPACITY/AC & DC/2 & 3 POLE/BUSHING MOUNT

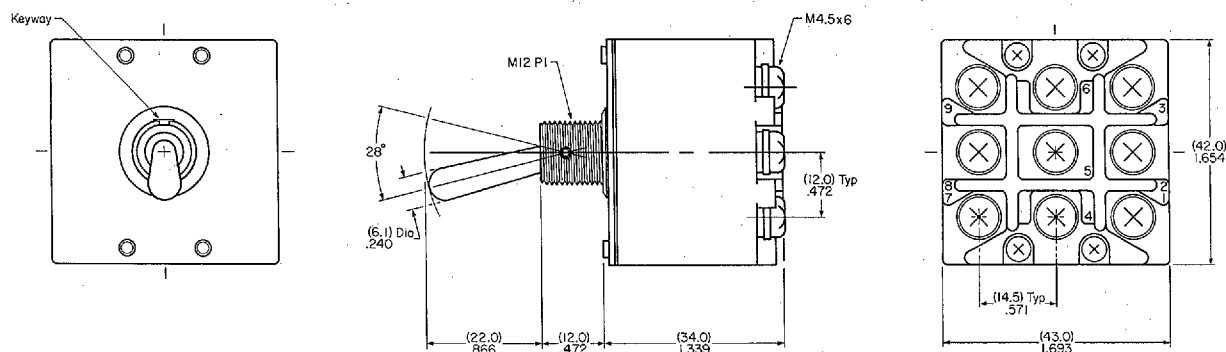
Dimensions for S532 & S533 are given on the following page.

Dimensions for S732



The cap of phenolic resin is black.

Dimensions for S831 ~ S833



S831 model does not have terminals 1, 4, & 7.

Dimensions for S522 ~ S523

