


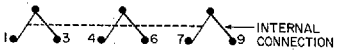
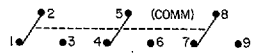
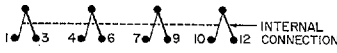
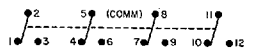


MEDIUM & HIGH RATED/STANDARD SIZE/3 & 4 POLE

POLES, CIRCUITS, & RATINGS

POLE & THROW	MODEL	TOGGLE POSITION AND TERMINAL NUMBERS			ELECTRICAL CAPACITY				TERMINALS			TOGGLES		
		() = Momentary			Resistive		Inductive		Solder Lug	Screw	Quick Connect	Bat	Plastic Paddle	Fluorescent Tip Paddle
		Down 	Center 	Up 	AC 125V	AC 250V	DC 30V	AC 125V PF 0.6						
3PST	S31 S31F	ON ON	NONE NONE	OFF OFF	25A 25A	9A 9A	20A 20A	10A 10A	X ---		---	X X		
CONNECTED TERMINALS		1-3 4-6 7-9	OPEN	OPEN	SCHEMATIC: 									
3PDT	S32	ON	NONE	ON	25A	9A	20A	10A	X		---	X		
	S32F	ON	NONE	ON	25A	9A	20A	10A	---		X	X		
	S33	ON	OFF	ON	25A	9A	20A	10A	X	---	---	X		
	S33F	ON	OFF	ON	25A	9A	20A	10A	---	---	X	X		
	S33T	ON	OFF	ON	25A	9A	20A	10A	---	X	---	X		
	S35	ON	NONE	(ON)	15A	6A	20A	8A	X			X		
	S38	(ON)	OFF	(ON)	15A	6A	15A	8A	X			X		
	S39	ON	OFF	(ON)	15A	6A	15A	8A	X			X		
CONNECTED TERMINALS		2-3 5-6 8-9	OPEN	2-1 5-4 8-7	SCHEMATIC: 									
4PST	S41	ON	NONE	OFF	25A	9A	20A	10A	X	---	---	X	---	---
	S41F	ON	NONE	OFF	25A	9A	20A	10A	---	---	X	X	---	---
	S41R	ON	NONE	OFF	25A	9A	20A	10A	X	---	---	---	X	---
	S41RN	ON	NONE	OFF	25A	9A	20A	10A	X	---	---	---	---	X
	S41T	ON	NONE	OFF	25A	9A	20A	10A	---	X	---	X	---	---
CONNECTED TERMINALS		1-3 4-6 7-9 10-12	OPEN	OPEN	SCHEMATIC: 									
4PDT	S42	ON	NONE	ON	25A	9A	20A	10A	X	---	---	X	---	---
	S42F	ON	NONE	ON	25A	9A	20A	10A	---	---	X	X	---	---
	S42R	ON	NONE	ON	25A	9A	20A	10A	X	---	---	---	X	---
	S42RN	ON	NONE	ON	25A	9A	20A	10A	X	---	---	---	---	X
	S42T	ON	NONE	ON	25A	9A	20A	10A	---	X	---	X	---	---
	S43	ON	OFF	ON	25A	9A	20A	10A	X		---	X	---	---
	S43F	ON	OFF	ON	25A	9A	20A	10A	---		X	X	---	---
	S43R	ON	OFF	ON	25A	9A	20A	10A	X		---	---	X	---
	S43RN	ON	OFF	ON	25A	9A	20A	10A	X		---	---	---	X
	S45	ON	NONE	(ON)	15A	6A	20A	8A	X			X		
	S48	(ON)	OFF	(ON)	15A	6A	20A	8A	X			X	---	---
	S48R	(ON)	OFF	(ON)	15A	6A	20A	8A	X			---	X	---
	S48RN	(ON)	OFF	(ON)	15A	6A	20A	8A	X			---	---	X
S49	ON	OFF	(ON)	15A	6A	20A	8A	X			X	---	---	
S49R	ON	OFF	(ON)	15A	6A	20A	8A	X			---	X	---	
S49RN	ON	OFF	(ON)	15A	6A	20A	8A	X			---	---	X	
CONNECTED TERMINALS		2-3 5-6 8-9 11-12	OPEN	2-1 5-4 8-7 11-10	SCHEMATIC: 									

Terminal numbers are on the switch. Terminal detail page S7. UL Recognized: most S30s & S40s. CSA Certified: S30s, S41, S42, S43; details in Supplement.

GENERAL SPECIFICATIONS

Contact Resistance: 10 milliohms maximum

Electrical Life: 25,000 operations minimum

Insulation Resistance: 1,000 megohms minimum @ 500V DC

Ambient Temp Range: -10°C through +70°C (+14 °F through +158°F)

Dielectric Strength: 2,000V AC minimum

Angle of Throw: a 30° for S33s & S43s

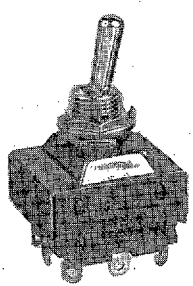
25° for all others

Mechanical Life: 50,000 operations minimum

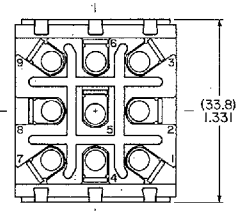
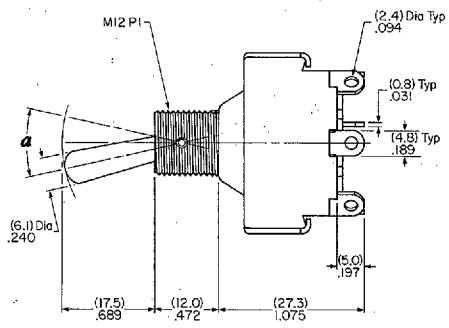
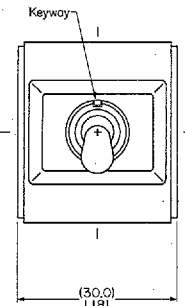
NKK® SERIES S TOGGLE SWITCHES

MEDIUM & HIGH RATED/STANDARD SIZE/3 & 4 POLE

Dimensions for S31 ~ S39

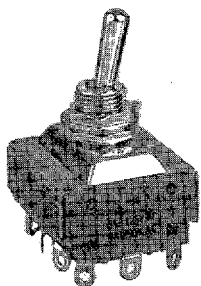


S32 Model Shown

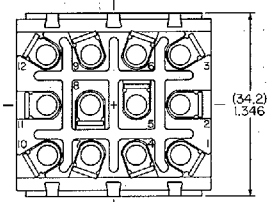
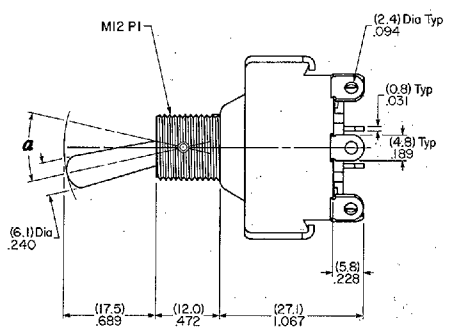
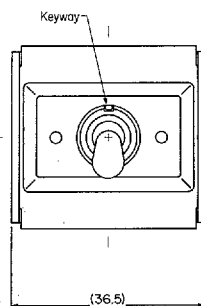


S31 models do not have terminals 2, 5, & 8.

Dimensions for S41 ~ S49RN



S42 Model Shown

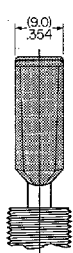
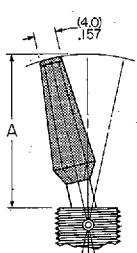


S41 models do not have terminals 2, 5, 8, & 11.

PLASTIC LEVERS

R Flatted Lever

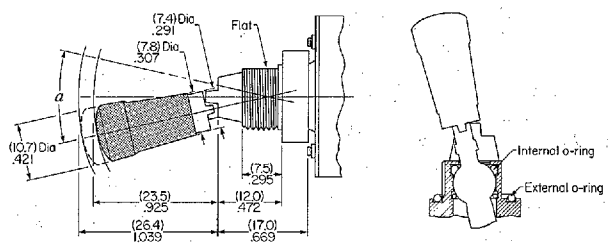
RN Flatted Fluorescent Tip Lever



Material: ABS Resin Color: Black Only
 Dimension A = 29.0mm (1.142") on S100s
 Dimension A = 27.0mm (1.063") on S40s and S330s

LOCKING LEVER

L Locking Lever with Panel Seal



Models S1AL, S2AL, S3AL, S6AL, S7AL, and S21AL have the locking lever plus panel seal.

It is supplied with an alumite finished aluminum cap, hex nut AT503, lockwasher AT508, and o-ring AT537.

These models have the same body dimensions as the splashproof models on page S10.