

600 series Industrial toggle switches -12 mm bushing

Contact rating 15 amps at 120 VAC or 10 amps at 250 VAC or 5 amps at 25 VDC. Also 10 amps, 1/2 HP, 125/250 VAC. Op. temp. range -20° C to 55° C. Nickel plated brass or black nylon toggle. Nickel plated brass bushing. Silver/nickel alloy contacts. Melamine/polyester case. Mounting hardware included. S.P. body size .551" w x 1.161" h x .590" d. D.P. body size .846" w x 1.169" h x .846" d. 3P body size 1.358" w x 1.252" h x .949" d. Models with solder lug terminals listed below - omit '1/2' from Model no. for screw type terminals with clamps. UL & CSA recognized. VDE available some models.

	MODEL NO.	CIRCUIT	ACTION
Nickel bat toggle	631H/2	SPST	On-None-Off
	635H/2	SPDT	(On)-None-On
	636H/2		On-None-On
	637H/2		(On)-Off-(On)
	638H/2		On-Off-(On)
639H/2	On-Off-On		
Flat nylon toggle	631NH/2	SPST	On-None-Off
	635NH/2	SPDT	(On)-None-On
	636NH/2		On-None-On
	637NH/2		(On)-Off-(On)
	638NH/2		On-Off-(On)
639NH/2	On-Off-On		
Nickel bat toggle	641H/2	DPST	On-None-Off
	644H/2	DPDT	On-On-On
	645H/2		(On)-None-On
	646H/2		On-None-On
	647H/2		(On)-Off-(On)
648H/2	On-Off-(On)		
649H/2	On-Off-On		
641NH/2	DPST	On-None-Off	
Flat nylon toggle	644NH/2	DPDT	On-On-On
	645NH/2		(On)-None-On
	646NH/2		On-None-On
	647NH/2		(On)-Off-(On)
	648NH/2	On-Off-(On)	
649NH/2	On-Off-On		
Nickel bat toggle	651H/2	3PST	On-None-Off
	655H/2	3PDT	(On)-None-On
	656H/2		On-None-On
	657H/2		(On)-Off-(On)
	658H/2		On-Off-(On)
659H/2	On-Off-On		
Flat nylon toggle	651NH/2	3PST	On-None-Off
	655NH/2	3PDT	(On)-None-On
	656NH/2		On-None-On
	657NH/2		(On)-Off-(On)
	658NH/2		On-Off-(On)
659NH/2	On-Off-On		



SP WITH BAT TOGGLE & SOLDER/QUICK CON. TERMS



DP WITH FLAT NYLON TOG. & SOLDER/QUICK CON. TERMS



3P WITH BAT TOGGLE & SCREW TERMINALS W/CLAMP

12000 series industrial hi-rel. toggle switches - 15/32" bushing

Contact rating 4 amps at 120 VAC or 2 amps at 250 VAC or 4 amps at 30 VDC. Operating temperature range -40° C to 85° C. Chrome plated brass toggle. Nickel plated brass bushing. Silver contacts & solder lug terms. DAP case. Epoxy terminal seal. 2 Nuts and anti-rotate ring included. D.P. body size .551" w x .551" h x .539" d. 3P body size .551" w x .787" h x .539" d. 4P body size .551" w x 1.023" h x .539" d. Meets MIL STANDARD 3950.

	MODEL NO.	CIRCUIT	ACTION
	12146A	DPDT	On-None-On
	12149A		On-Off-On
	12147A		(On)-Off-(On)
	12148A		On-Off-(On)
	12144A		On-On-On
12145A	None-On-(On)		
	12156A	3PDT	On-None-On
	12159A		On-Off-On
	12157A		(On)-Off-(On)
	12158A		On-Off-(On)
	12166A	4PDT	On-None-On
	12169A		On-Off-On
	12167A		(On)-Off-(On)
	12168A		On-Off-(On)
	12164A		On-On-On



4600 series indust. toggle switches-12 mm bushing

Contact rating 6 amps at 120 VAC or 4 amps at 250 VAC. Operating temperature range -20° C to 55° C. Black nylon toggle (other colors available - consult factory). Black nylon bushing. Silver contacts. Solder/quick con. terms. Melamine phenolic case. 1 hex. nut and 1 insulated knurl. nut included. S.P. body size .472" w x .748" h x .610" d. D.P. body size .649" w x .826" h x .610" d. UL & CSA recognized. VDE recognized on 2 position models.

MODEL NO.	CIRCUIT	ACTION
4631A22UU	SPST	On-None-Off
4636A22UU	SPDT	On-None-On
4639A22UU		On-Off-On
4641A22UU	DPST	On-None-Off
4646A22UU	DPDT	On-None-On
4649A22UU		On-Off-On



FLATTED INSULATED TOGGLE SOLDER/QUICK CON. TERMS.

TR series tiny sealed rocker switches

Contact rating 0.4 volt-amperes (VA) max. at 20 volts max. (AC or DC). Operating temp. range -30° C to +85° C. Black polyamide rocker. Gold over nickel plated brass contacts & terminals. Blue glass filled PBT body, UL94V-0. O-ring bushing seal. Epoxy terminal seal. S.P. body size .200" w x .320" h x .320" d. D.P. body size .360" w x .320" h x .320" d. Process compatible.

MODEL NO.	CIRCUIT	ACTION	
TR36P00000012	SPDT	On-None-On	
TR39P00000012		On-Off-On	
TR37P00000012		(On)-Off-(On)	
TR38P00000012		On-Off-(On)	
TR32P00000012		On-None-(On)	
TR46P00000012	DPDT	On-None-On	
TR49P00000012		On-Off-On	
TR47P00000012		(On)-Off-(On)	
TR48P00000012		On-Off-(On)	
TR42P00000012		On-None-(On)	
TR36Y00005012	SPDT	On-None-On	
TR39Y00005012		On-Off-On	
TR37Y00005012		(On)-Off-(On)	
TR38Y00005012		On-Off-(On)	
TR32Y00005012		On-None-(On)	
TR46Y00005012	DPDT	On-None-On	
TR49Y00005012		On-Off-On	
TR47Y00005012		(On)-Off-(On)	
TR48Y00005012		On-Off-(On)	
TR42Y00005012		On-None-(On)	
TR36W00005012	SPDT	On-None-On	
TR39W00005012		On-Off-On	
TR37W00005012		(On)-Off-(On)	
TR38W00005012		On-Off-(On)	
TR32W00005012		On-None-(On)	
TR46W00005012	DPDT	On-None-On	
TR49W00005012		On-Off-On	
TR47W00005012		(On)-Off-(On)	
TR48W00005012		On-Off-(On)	
TR42W00005012		On-None-(On)	
TR36WW0005012	SPDT	On-None-On	
TR39WW0005012		On-Off-On	
TR37WW0005012		(On)-Off-(On)	
TR38WW0005012		On-Off-(On)	
TR32WW0005012		On-None-(On)	
TR46WW0005012	DPDT	On-None-On	
TR49WW0005012		On-Off-On	
TR47WW0005012		(On)-Off-(On)	
TR48WW0005012		On-Off-(On)	
TR42WW0005012		On-None-(On)	
TR36MW0000012		On-None-On	
TR39MW0000012		On-Off-On	
TR37MW0000012		SPDT (On)-Off-(On)	
TR38MW0000012		On-Off-(On)	
TR32MW0000012		On-None-(On)	
TR46MW0000012		On-None-On	
TR49MW0000012		On-Off-On	
TR47MW0000012		DPDT (On)-Off-(On)	
TR48MW0000012		On-Off-(On)	
TR42MW0000012		On-None-(On)	

STR'T P.C. TERMS. NO BRKT.

STR'T P.C. TERMS. W/BRKT.

RT. ANGLE HOR. PC TERMS.

RT. ANGLE VERT. PC TERMS.

WIRE-WRAP TERMINALS