



SPECIFICATIONS	
RATING	.4VA MAX. @ 20VDC, OR PEAK AC
TIMING	BREAK BEFORE MAKE
INITIAL CONTACT RESISTANCE	30 MILLIOHMS MAX
INSULATION RESISTANCE	10,000 MEGOHMS MIN
DIELECTRIC WITHSTANDING VOLTAGE	1,000 VRMS AT SEA LEVEL
DURABILITY	10,000 CYCLES @ .4VA RESISTIVE
	30,000 CYCLES @ .1μA 12VDC RESISTIVE
OPERATING FORCE	14 INCH OUNCES
OPERATING TEMPERATURE	-20°C TO +70°C
STORAGE TEMPERATURE	-20°C TO +70°C

- NOTES:
- TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON SWITCHES.
 - ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
 - EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 - (1) HEX NUTS.
 - (1) O-RING
 - (1) INTERNAL TOOTH LOCKWASHER.

RECOMMENDED PCB HOLE LAYOUTS (VIEWED FROM SHAFT END)
TOLERANCE ±.002. UNLESS OTHERWISE NOTED.

MATERIALS		
COMPONENT NAME	BASE MATERIAL	FINISH
BASE	EPOXY	-
FIXED CONTACT	BRASS	GOLD OVER NICKEL
TERMINALS	BRASS	PRE-TIN OVER NICKEL
MOVEABLE CONTACT	PHOSPHOR BRONZE	GOLD OVER NICKEL
ROTOR	PBT	-
BALL	STEEL	-
SPRING	PIANO WIRE	
STOPPER	STEEL	ZINC
BUSHING	ZINC	NICKEL
SHAFT	BRASS	NICKEL
O-RING	NEOPRENE	-
HEX NUT	BRASS	NICKEL
INTERNAL TOOTH LOCKWASHER	STEEL	ZINC

MOVABLE CONTACT FINISH	FIXED CONTACT FINISH	TERMINAL FINISH	POSITION	POLES	ALCO P/N	PART NUMBER
.00010μ" MIN Au OVER .000120μ"MIN Ni	.00004μ" MIN Au OVER .000070μ"MIN Ni	PRE-TIN OVER NICKEL	3 FIXED	4	MRJ4304	1825537-4
.00010μ" MIN Au OVER .000120μ"MIN Ni	.00004μ" MIN Au OVER .000070μ"MIN Ni	PRE-TIN OVER NICKEL	4 FIXED	3	MRJ3404	1825537-3
.00010μ" MIN Au OVER .000120μ"MIN Ni	.00004μ" MIN Au OVER .000070μ"MIN Ni	PRE-TIN OVER NICKEL	6 FIXED	2	MRJ2804	1825537-2
.00010μ" MIN Au OVER .000120μ"MIN Ni	.00004μ" MIN Au OVER .000070μ"MIN Ni	PRE-TIN OVER NICKEL	12 CONTINUOUS ROTATION	1	MRJ11204	1825537-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± .01
1 PLC	± .01
2 PLC	± .01
3 PLC	± .005
4 PLC	± .005
ANGLES	± .1°

MATERIAL: SEE SPECIFICATIONS. FINISH: SEE SPECIFICATIONS.

APPROVED: [Signature]

DATE: 19JUL79

BY: A.J. CLAY

STE TE Connectivity

NAME: MINIATURE ROTARY SWITCH 12 POS.-30 DEGREE DETENT

SIZE: A1. CAGE CODE: 00779. DRAWING NO: 1825537. WEIGHT: -. RESTRICTED TO: CUSTOMER DRAWING. SCALE: 3:1. SHEET: 1 OF 1. REV: A2.