



PANEL CUTOUTS
SCALE 2:1

- NOTES:
1. ALL MATERIALS AND FINISHES COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (RoHS).
 2. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
 3. MOUNTING HARDWARE: (1) HEX NUT AND (1) INTERNAL TOOTH LOCKWASHER SUPPLIED WITH SWITCH.

COMPONENT NAME	BASE MATERIAL	FINISH
CASE	PPO, BLACK, UL94-HB	
ROCKER	NYLON 6/6, BLACK, UL-94-V2	
SPRING	MUSIC WIRE	
SPRING, F FUNCTION	MUSIC WIRE	
INSULATOR	POLYETHERIMIDE, NATURAL	
TERMINAL, END, F FUNCTION, HIGH	BRASS	GOLD OVER NICKEL
TERMINAL, END, F FUNCTION, LOW	SILVER CLAD COPPER	SILVER OVER NICKEL
TERMINAL, CENTER, F FUNCTION	BRASS	GOLD OVER NICKEL
ROCKER CONTACT	SILVER CLAD COPPER	
NUT	BRASS	NICKEL
LOCKWASHER	STAINLESS STEEL	
TERMINAL SEAL	ACRYLIC RESIN	
LED WINDOW	ACRYLIC TRANSPERANT	
LED		

SPECIFICATION CHART	
RATING	3A @ 125 VAC OR 28 VDC, RESISTIVE
INITIAL CONTACT RESISTANCE	20 MILLIOHMS MAX.
INSULATION RESISTANCE	1,000 MEGAOHMS MIN @ 500 VDC
DIELECTRIC WITHSTANDING VOLTAGE	500 V RMS AT SEA LEVEL
ELECTRICAL LIFE, 2 POSITION	80,000 CYCLES
ELECTRICAL LIFE, 3 POSITION	10,000 CYCLES
MECHANICAL LIFE, 2 POSITION	100,000 CYCLES
MECHANICAL LIFE, 3 POSITION	50,000 CYCLES
OPERATING TEMPERATURE	-20°C TO +80°C
STORAGE TEMPERATURE	-45°C TO +95°C
LED VOLTAGE	2.8 VDC MAX.
LED FORWARD CURRENT, MAX.	RED: 20mA, GREEN: 25mA, RED/GREEN: 40mA.

FUNCTION CHART								
PART NUMBER	ALCO P/N	POLE	THROWS	RATING	LED COLOR			
1825427-1	TRD13F10QCLR204	1	2	3A	RED	ON	NONE	ON
						TERMINALS CONNECTED		
						2-1	-	2-3

NONE: NO MECHANICAL POSITION
 OFF: MECHANICAL POSITION WITH NO ELECTRIC CONNECTION
 (ON): MOMENTARY ACTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN	BSV	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: INCHES		CHK	M.ZITTO	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		DATE	17JUN06	TRD SERIES ROCKER SWITCH 1 POLE, 3A, QC TERMINALS WITH LED	
0 PLC ± -		APVD		RESTRICTED TO	
1 PLC ± -		M.ZITTO		A1 00779 C=1825427	
2 PLC ± -		DATE		SCALE 4:1 SHEET 1 OF 1 REV A	
3 PLC ± -		APPLICATION SPEC		CUSTOMER DRAWING	
4 PLC ± -		SIZE		SCALE 4:1 SHEET 1 OF 1 REV A	
ANGLES ± -		WEIGHT		SCALE 4:1 SHEET 1 OF 1 REV A	
MATERIAL SEE TABLE		FINISH SEE TABLE		SCALE 4:1 SHEET 1 OF 1 REV A	