THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -.-- -.-
© COPYRIGHT — BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

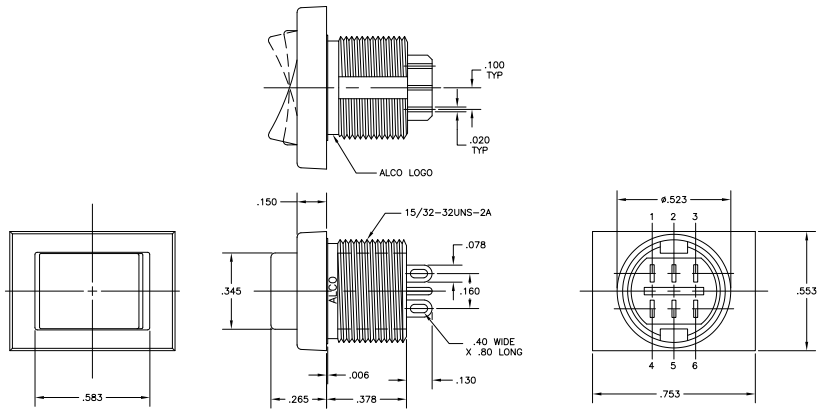
LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DRN	APVD
	A	ECO-05-013298	16JUN06	BSV	MZ

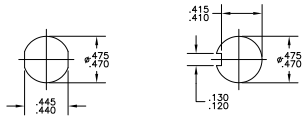
NOTES:

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.



MATERIAL CHART		
COMPONENT NAME	BASE MATERIAL	FINISH
CASE	PPO, BLACK, UL94-HB	
SPRING	MUSIC WIRE	
SPRING, G FUNCTION	MUSIC WIRE	
INSULATOR	POLYETHERIMIDE, NATURAL	
TERMINAL, END, P, N & S FUNCTIONS	SILVER CLAD COPPER	SILVER OVER NICKEL
TERMINAL, CENTER, P, N & S FUNCTIONS	BRASS	GOLD OVER NICKEL
YOKE, P & S FUNCTIONS	BRASS	GOLD OVER NICKEL
ROCKER CONTACT, N FUNCTION	SILVER CLAD COPPER	
ROCKER CONTACT, P & S FUNCTIONS	SILVER CLAD COPPER	SILVER
NUT	BRASS	NICKEL
LOCKWASHER	STAINLESS STEEL	
TERMINAL SEAL	ACRYLIC RESIN	

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



PANEL CUTOUTS
SCALE 2:1

FUNCTION CHART							
PART NUMBER	ALCO P/N	POLE	THROWS	RATING	1 2 3 / 4 5 6	1 2 3 / 4 5 6	1 2 3 / 4 5 6
1825421-1	TRD23N10WL04	2	2	3A	ON	NONE	ON
1825421-2	TRD23N10WL04	2	2	3A	ON	OFF	ON
1825421-3	TRD23N10WL04	2	2	3A	(ON)	NONE	(ON)
			TERMINALS CONNECTED		2-1 5-4	—	2-3 5-6

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES
TOLERANCE UNLESS OTHERWISE SPECIFIED:
0 PLC ± —
1 PLC ± —
2 PLC ± .03
3 PLC ± .010
4 PLC ± —
ANGLES ± —

MATERIAL: SEE TABLE
FINISH: SEE TABLE

DRN: R.MICIEL 24MAY02
CHK: 24MAY02
APVD: K.F. 24MAY02
PRODUCT SPEC: —
APPLICATION SPEC: —
WEIGHT: — —

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME: TRD SERIES ROCKER SWITCH, 2 POLE, 3A, WIRE LUG TERMINALS
—

SIZE: A1 CAGE CODE: 00779 DRAWING NO: 1825421 RESTRICTED TO: —
CUSTOMER DRAWING SCALE: 4:1 SHEET 1 OF 1 REV: A

Downloaded from Elcodis.com electronic components distributor