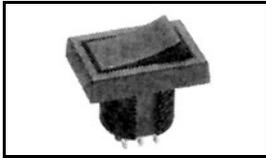


1825421-1 Product Details

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1825421-1
(TRD23N10WL04)
TE Internal Number:
1825421-1
[Active](#)

Rocker/Paddle Switches

[Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

Product Highlights:

- Contact Rating = 3A
- Double Pole - Double Throw Configuration (Pole-Throw)
- Silver Contact Plating
- TRD Series
- Operating Function = On None On

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [TRD SERIES ROCKER SWITCH, 2 POLE, 3A, WIRE LUG TERMINALS \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Series = TRD
- Actuator Style = Rocker
- Actuator Type = Top
- Termination Type = Wire Lugs
- Lamp = Without
- LED = Without

Mechanical Attachment:

- Mount = Panel

Electrical Characteristics:

- Contact Rating = 3A

Body Features:

- Actuator Color = Black
- Mount Style = 15/32" Round Hole

Contact Features:

- Contact Plating = Silver

Configuration Features:

- Configuration (Pole-Throw) = Double Pole - Double Throw
- Operating Function = On None On

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Hand solderable with lead free solder
- RoHS/ELV Compliance History = Always was RoHS compliant

Identification Marking:

- Indicator/Imprint Legend = None

Other:

- Brand = Alcoswitch

Corporate Information

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Customer Support

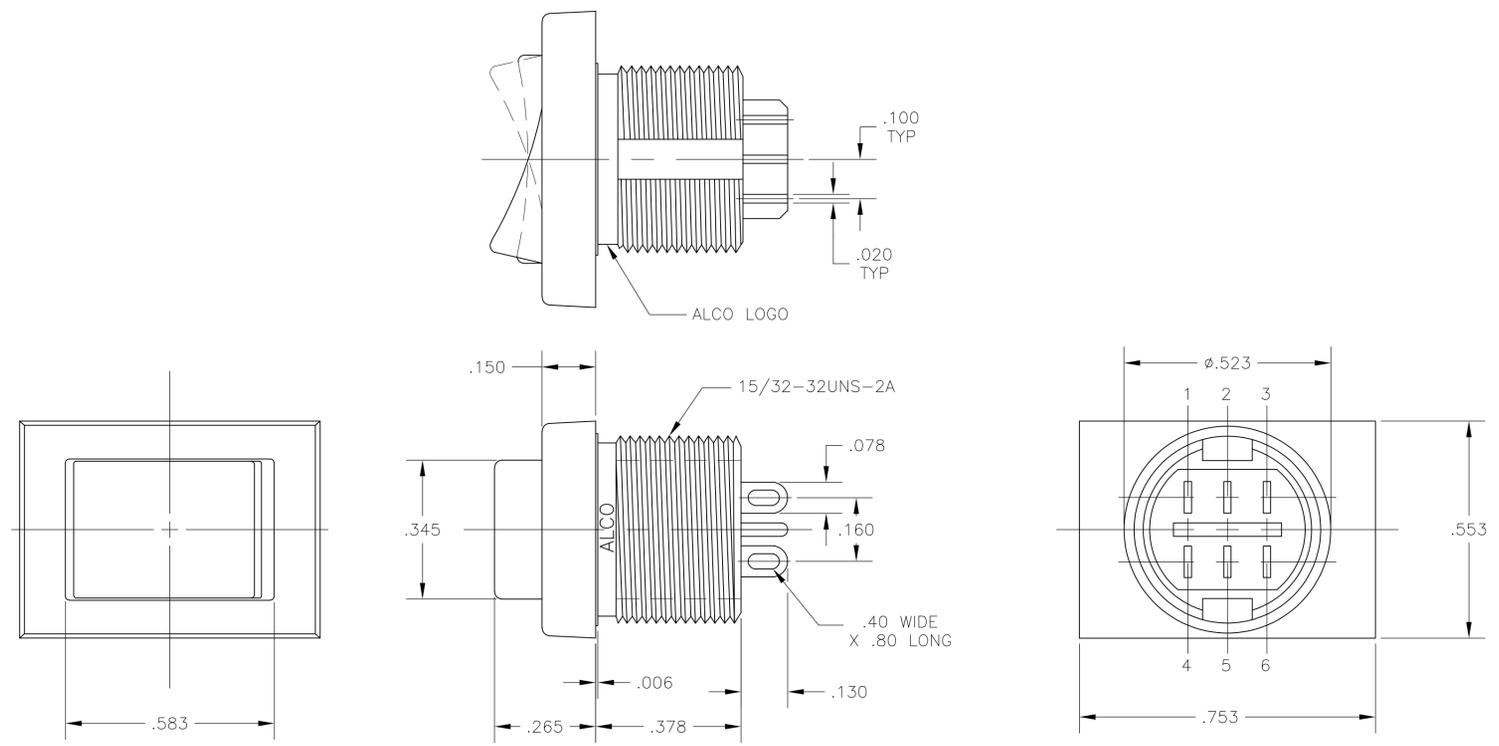
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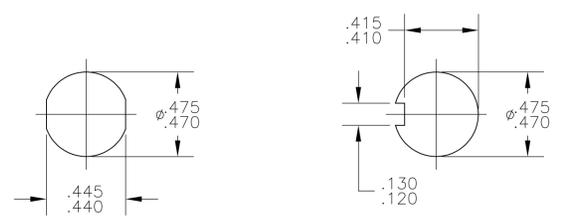
NOTES:

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			
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.		DRN R. WICJEL 24MAY82	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010 4 PLC ± - ANGLES ± -	CHK K.F. 26MAY82	NAME TRD SERIES ROCKER SWITCH, 2 POLE, 3A, WIRE LUG TERMINALS
MATERIAL SEE TABLE		FINISH SEE TABLE	SIZE A1	RESTRICTED TO
		WEIGHT -	CAGE CODE 00779	DRAWING NO 1825421
		CUSTOMER DRAWING		SCALE 4:1 SHEET 1 OF 1 REV A