

1825222-2 Product Details

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1825222-2
(TT13A2T04)

TE Internal Number:
1825222-2

 **Active**

Toggle Switches

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- TT (Tiny) Series
- Single Pole - Single Throw Configuration (Pole-Throw)
- Current Rating = 3 A
- Mount Style = Solder
- Termination Type = Vertical, Wire Lugs

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [SWITCH, TINY TOGGLE SERIES, 1 & 2 POLE](#) (PDF, English)

Catalog Pages/Data Sheets:

- [SWITCHES_CORE_PROGRAM_CATALOG](#) (PDF, English)
- [2-1773458-4_TINY_TOGGLE_SERIES_SWITCHES](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Dimensional Drawing](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Series = TT (Tiny)
- Termination Type = Vertical, Wire Lugs
- Color = Black

Electrical Characteristics:

- Current Rating (A) = 3

Termination Features:

- Seal Type = Terminal Seal (epoxy)

Body Features:

- Mount Style = Solder
- Bushing Style = Threaded
- Bushing Type = 10-48

Contact Features:

- Contact Plating = Silver
- Contact Base Material = Copper Alloy

Housing Features:

- Toggle Style = Baton Medium
- Toggle Length (mm [in]) = 7.52 [0.296]
- Process Sealed = No
- UL Flammability Rating = UL 94V-0

Configuration Features:

- Configuration (Pole-Throw) = Single Pole - Single Throw
- [Operating Function](#) = On None Off

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Other:

- Brand = Alcoswitch

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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
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			01	REVISED PER ECO-10-024560	10DEC10	HMR	NE

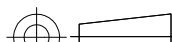
TERMINALS CONNECTED WHEN TOGGLE IN POSITIONS SHOWN.

PART NO	SWITCH ACTION CODE (*)	FLAT	FLAT	FLAT
1825222-2	TT13A2T04	3 TO 1	NONE	OFF
1825222-3	TT13D2T04	2 TO 1	NONE	2 TO 3
1825222-4	TT13E2T04	2 TO 1	OFF	2 TO 3
1825222-6	TT23K2T04	3 TO 1 6 TO 4	NONE	OFF
1825222-7	TT23N2T04	2 TO 1 5 TO 4	NONE	2 TO 3 5 TO 6

TERMINAL DESIGNATION NUMBERS ARE FOR REFERENCE ONLY, AND DO NOT APPEAR ON SWITCHES.

SPECIFICATION:

1. MATERIALS:
CASE AND ACTUATOR: THERMOPLASTIC, UL94-V0.
FRAME: STEEL, TIN PLATED.
BUSHING AND ACTUATOR LEVER: BRASS, NICKEL PLATED
ROCKER CONTACT: SILVER/BRASS, LAMINATED.
PLUNGER: STAINLESS STEEL, PASSIVATED
SPRING: MUSICAL WIRE.
TERMINALS: SILVER/BRASS, LAMINATED, SILVER PLATED.
TERMINAL SEAL: SP EPOXY
DP EPOXY OPTIONAL
2. ELECTRICAL:
CURRENT RATING: 3A @ 125V AC OR 28V DC (2 POSITION)
2A @ 125V AC (3 POSITION)
INITIAL CONTACT RESISTANCE: 20 MLLIOHMS MAX
INSULATION RESISTANCE: 1,000 MEGAOHMS AT 500V DC MIN
DIELECTRIC STRENGTH: 1,000 VOLTS RMS AT SEA LEVEL
LIFE EXPECTANCY: 80,000 CYCLES (2 POSITION)
60,000 CYCLES (3 POSITION)
3. ENVIRONMENTAL:
OPERATING TEMPERATURE: -22°F TO +185°F (-30°C TO +85°C)
STORAGE TEMPERATURE: -67°F TO +185°F (-55°C TO +85°C)
4. TT13A2T04 HAS TERMINALS 1, 3, 4 & 6
HARDWARE INCLUDED: 1 HEX NUT AND 1 LOCKWASHER.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAGHAVENDRA 26AUG10		 Tyco Electronics Corporation Harrisburg, PA 17105-3608								
DIMENSIONS: mm [INCHES]		CHK EPPLEY NAZ 26AUG10										
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD EPPLEY NAZ 26AUG10		NAME SWITCH, TINY TOGGLE SERIES, 1 & 2 POLE							
	0 PLC ± -		PRODUCT SPEC									
	1 PLC ± -		—									
	2 PLC ± -		APPLICATION SPEC									
	3 PLC ± -		—									
MATERIAL —	4 PLC ± -		WEIGHT —		SIZE A2		CAGE CODE 00779		DRAWING NO C=1825222-2		RESTRICTED TO —	
	ANGLES ± -		CUSTOMER DRAWING		SCALE 4:1		SHEET 1 of 1		REV 01			