



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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TRD Series *Rocker/Paddle • How To Order*

MATERIAL SPECIFICATIONS:

Movable Contacts Copper alloy w/silver inlay contact or gold plate
 Terminals/Fixed Contacts Copper alloy w/silver inlay contact or gold plate
 Terminal Seal Epoxy
 Housing/Beveled Frame Polyamide, black matte finish

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature -4°F to +176°F (-20°C to +80°C)
 Storage Temperature -49°F to +199°F (-45°C to +93°C)
 Solder Heat Resistance Meets MIL-STD-202, method 210

TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating Silver: 3A max. @ 125 VAC, option 3
 Gold: 0.4VA max. @ 20 VDC, option 1
 Initial Contact Resistance 20 Milliohms max.
 Static Withstanding 15KV, per IEC 801-2
 Insulation Resistance 1,000 Megohms min. @ 500 VDC
 Dielectric Strength 500 Volts RMS @ sea level
 Electrical Life 2 Pos. 20K cycles @ full rated 3A load, 80K @ 0.4VA, 3 pos. 10K cycles @ full rated 3A load, 60K @ 0.4VA

***NOTICE:** Caution should be used when hand-soldering. Solder heat Resistance -550°-600°F for less than 5 seconds. Solder with the switch in the closed position.

UL recognized under the Component Program of Underwriters Laboratories Inc. File #E46765

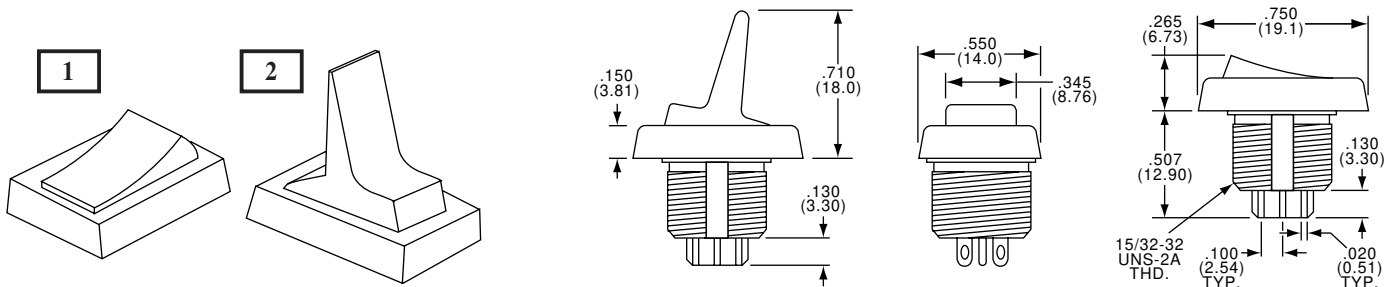
HOW TO ORDER

See pages M2-M4 for application specific indexing.

E

Model	Contact Rating	Function	Actuator	Actuator Color	Terminal	Mount	L.E.D. Illumin.	L.E.D. Color	*UL
TRD1	Single Pole D on-on E on-off-on F on-(on) G (on)-off-(on) H on-off-(on) Double Pole N on-on P on-off-on R on-(on) S (on)-off-(on) T on-off-(on)	Single Pole D on-on E on-off-on F on-(on) G (on)-off-(on) H on-off-(on) Double Pole N on-on P on-off-on R on-(on) S (on)-off-(on) T on-off-(on)	1 Rocker 2 Paddle 0 black 2 red 6 blue 9 yellow	WL Wire Lug WW Wire Wrap QC Quick Connect PC Printed Circuit	15/32" round hole 5 1/2" square hole	L Beveled frame adaptor LR Integral w/rocker (TRD 1 only)		None Option L 2 red 4 yellow 5 green 25 bi-color red/green	
Single Pole									
TRD2									
Double Pole									
1 Gold 0.4VA									
3 Silver 3A									

ACTUATORS

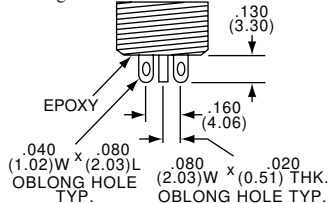


How To Order • Rocker/Paddle **TRD Series**

TERMINATIONS (Epoxy seal standard)

WL

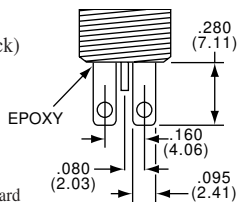
Wire Lug



QC

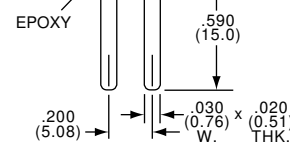
Quick Connect
.110" (.020 thick)

Mates with standard
.110" female connectors



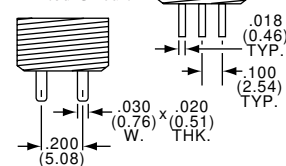
WW

Wire Wrap



PC

Printed Circuit

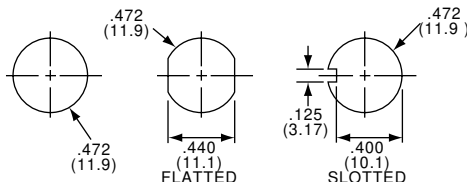


15/32" HOLE STANDARD

Standard TRD bushing will mount in any hole shown below.

Recommended panel thickness:
.030" to .250"

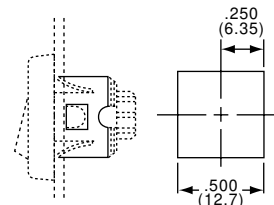
One hex nut, one internal tooth lock-washer supplied.



5 1/2" SQUARE CUTOUT SNAP-IN ADAPTOR

Recommended panel thickness:
.030" to .125"

Material: bright stainless steel
To specify adaptor separately, use P/N TRD10793



CONTACTS/RATING/UL RECOGNITION

1 0.4VA Max. @ 20 VDC

Movable Contact: Copper alloy, gold plate
Fixed Contact/Terminal: Copper alloy, gold plate

3 3A Max. @ 125 VAC

Movable Contact: Copper alloy, silver inlay
Fixed Contact/Terminal: Copper alloy, silver inlay

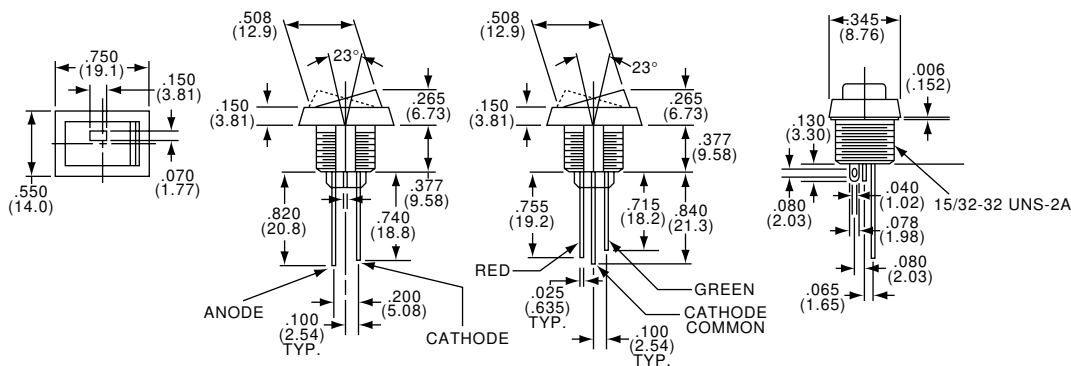
UL

For contact option 3
Rating: 3A, 120 VAC(Resistive)
File: E46765
Underwriters Laboratories, Inc. marking stamped under beveled frame.

L.E.D. ILLUMINATION - SINGLE AND BI-COLOR

LR

L.E.D. Integral
(Rocker Actuator)
All SPDT functions



Standard mounting dimensions apply, L.E.D. supplied in **2** red, **4** yellow, **5** green, or **25** red/green.

L.E.D. Specifications: Max Voltage: 2.8 VDC

Max. Forward Current: red-20mA, Yellow-25 mA, green-25 mA, red/green-40 mA.

Need more technical information?

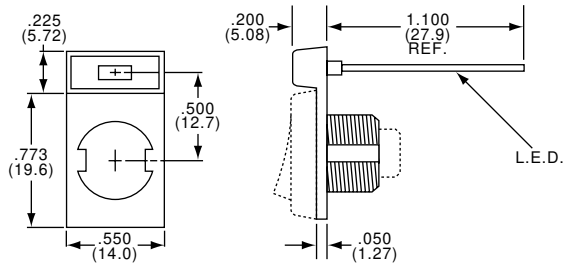
Consult your local Augat sales office listed on the back cover

E5

AUGAT Inc.
452 John L. Dietsch Blvd.
Attleboro Falls, MA 02763 USA
(508) 699-9800 FAX (800) 533-2526

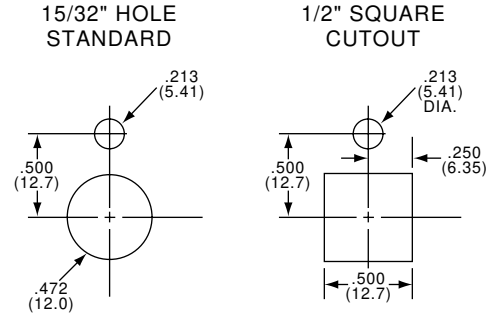
TRD Series *Rocker/Paddle • How To Order*

L L.E.D. BEVELE FRAME ADAPTOR (Accepts rectangular L.E.D.)



Material: Nylon 6/6
Color/Finish: Black, matte

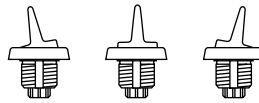
MOUNTING



Recommended Panel Thickness: .030 to .220:

Recommended Panel Thickness: .030 to .095"

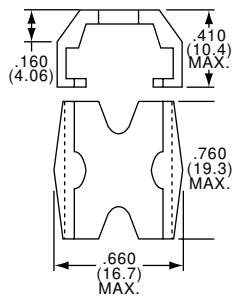
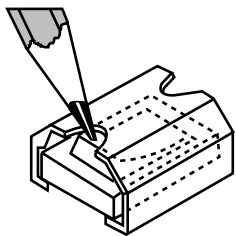
E FUNCTIONS



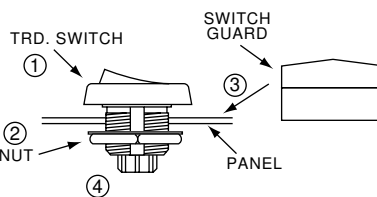
Single Pole	Double Pole	123 456	123 456	123 456
D	N	On	None	On
E	P	On	Off	On
F	R	On	None	(On)
G	S	(On)	Off	(On)
H	T	On	Off	(On)
SPDT Terminals Connected		2-3	---	1-2
DPDT Terminals Connected		2-3 5-6	---	1-2 4-5

- None** No mechanical position
- Off** Mechanical position, no electrical connection
- (On)** Momentary mechanical position, electrical connection

SWITCH GUARD



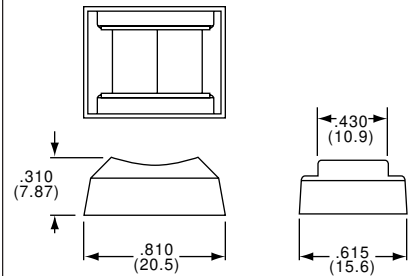
1. Insert switch in panel.
2. Attach lockwasher and hexnut.
3. Snap switch guard onto switch.
4. Tighten hex nut.



Recommended Panel Thickness:
15/32" hole standard - .030 to .220
15/32" square cutout - .030 to .095

Material: Nylon 6/6 **Color/Finish:** Black matte, Specify separately, P/N TRD10979

ROCKER BOOT SEAL



To specify boot seal use P/N TRD11494