

# MINI-TRIM SWITCHES

2-WAY, 4-WAY, 4-WAY PLUS PUSHBUTTON, AND 8-WAY TOGGLE SWITCHES



OTTO Mini-Trims are toggle switches available in 2-way, 4-way plus pushbutton, and 8-way versions. Numerous button styles are available on both the Military and Commercial Grade switch versions. Mini-Trims are typically press-fit into control grips or panel mounted using versions with an 11/16" threaded case. Mini-Trims are also available with multiple sealing levels to fit all applications.

**Standard Characteristics/Ratings:**

**ELECTRICAL:**

<b>Circuit:</b>	Contact made in opposite direction of lever travel
<b>Electrical:</b>	1 amp inductive @ 28VDC for 100,000 cycles
<b>Dielectric Withstand:</b>	1050 Vrms

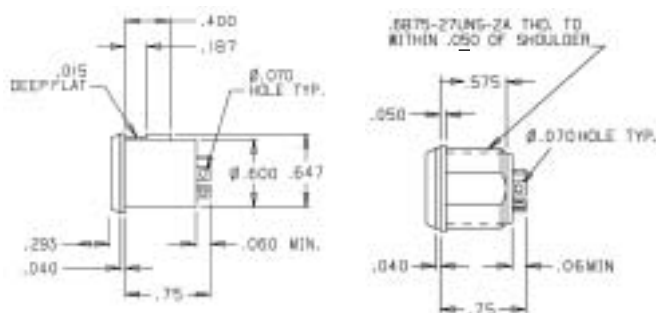
**OPERATIONAL:**

<b>Temperature Range:</b>	-55°C to +85°C
<b>Lever Travel:</b>	15° max. from center off
<b>Actuating Force:</b>	16 ± 8 oz.
<b>Lever Pivot &amp; Stop Strength:</b>	Switch is capable of withstanding a force of 20 lbs. applied to the actuating button. Button also withstands 15 lbs. minimum pull force.

**MATERIAL:**

<b>Switch Body:</b>	Black thermoplastic
<b>Threaded Case:</b>	Black anodized aluminum
<b>Button:</b>	Thermoplastic
<b>Bat Handles:</b>	Stainless steel
<b>Mounting Hardware for Threaded Case Versions:</b>	Hex nut & internal tooth lockwasher
<b>Seal:</b>	Moistureproof and dusttight to IP64 and M8805 Design 2 or watertight to IP68

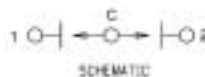
**Typical Dimensions**



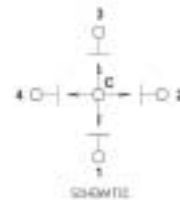
**Press Fit**

**Threaded Body**

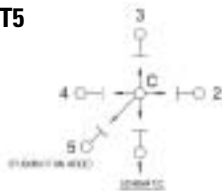
**T1**



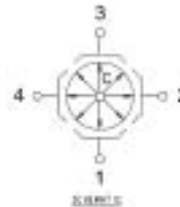
**T4**



**T5**



**T8**



**MINI-TRIM SERIES CATALOG CODE**



SERIES	GRADE	BUTTON STYLE	CASE STYLE	SEAL LEVEL	CURRENT RATING	BUTTON COLOR
<b>T1-</b> 2-Way	<b>M.</b> Military	<b>A.</b> 2-Way Jog	<b>1.</b> Press Fit	<b>1.</b> Dusttight and Moistureproof Per IP64	<b>1.</b> Standard	<b>1.</b> Red
<b>T4-</b> 4-Way	<b>C.</b> Commercial	<b>* B.</b> Tall Jog	<b>2.</b> Threaded	<b>2.</b> Watertight Per IP68	<b>2.</b> Low Level	<b>2.</b> Black
<b>T5-</b> 4-Way Plus Center Pushbutton		<b>C.</b> Rocker		<b>3.</b> Mil. Watertight Design 3		<b>8.</b> Gray
<b>T8-</b> 8-Way		<b>D.</b> Cone				<b>N.</b> Not Applicable Use When Specifying Button Styles L, M, N, & P.
		<b>* E.</b> LRUD Hat				Consult Factory For Colors Not Listed.
		<b>* F.</b> IOUD Hat				
		<b>G.</b> Hat				
		<b>H.</b> Stadium				
		<b>J.</b> Castle				
		<b>* K.</b> 4-Way Jog				
		<b>* L.</b> Short Bat				
		<b>* M.</b> Bat				
		<b>* N.</b> Post				
		<b>* P.</b> 4-40 Threaded Post				

\* Not available on T5