

TRS Series Mini Trim Switches

Features

- Fully compatible with trim control systems
- 2, 4 or 8-way toggle action
- Panel sealed to IP68S
- Positive click action
- Logic level options
- Variety of button styles and colors available
- RoHS compliant

Specifications

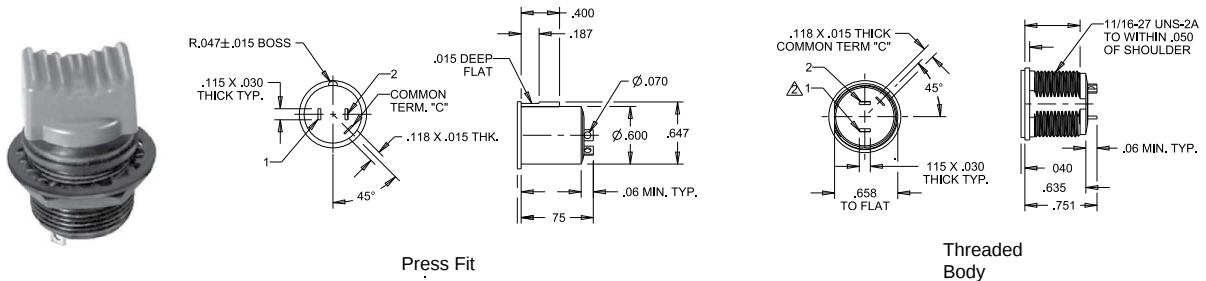
Housing Material	Anodized aluminum alloy
Button Material	Thermoplastic/Anodized aluminum alloy
Electric Rating (@28VDC)	Resistive load 2A(10mA@5VDC for logic level) Inductive load 1A
Operating Force	10 oz (2.8N) to 22 oz (6.1N)
Operating Temperature	-55~+85°C (-67 ~185°F)
Mechanical Life	500,000 (operations)
Electrical Life (@28VDC)	100,000 (operations)
Degree of Protection	IP68S

Selection Guide:

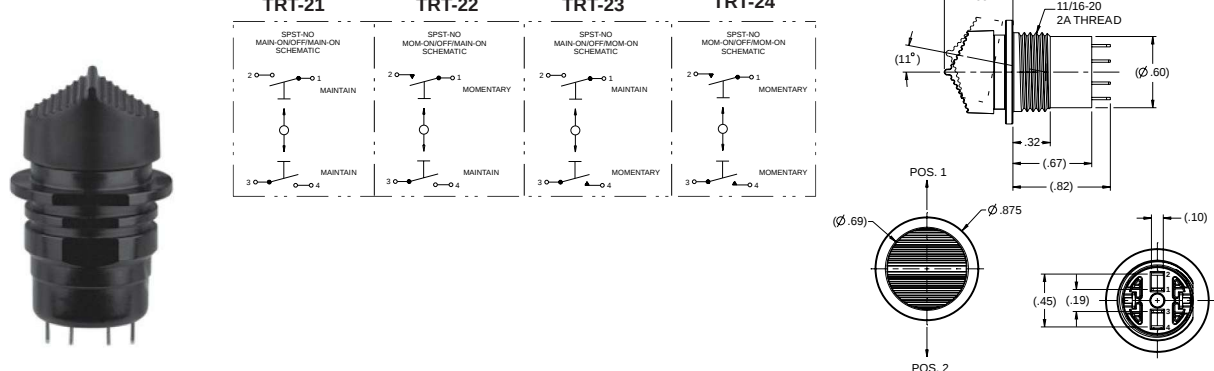
TR	T	-	2	T	-	A	1	1	-	R
	Toggle Action		Actuation	Switch Action (Only for TRT-2)		Button Style	Mounting Style	Current Rating		Button Color
	S: Silent operation		2: 2-way actuation	TM: Main.On/Off/Main.Off		A: 2-Way Jog	1: Press fit	Blank: 2A		Blank
	T: Tactile feedback		2B: 2-way with center pushbutton	T1: Mom.On/Off/Main.Off		B: Tall Jog	2: Threaded	K: Logic Level 10mA		R: Red
			4: 4-way actuation	T2: Main.On/Off/Mom.Off		C: Rocker	3: D-flat thread, black (only for TRT-2)			B: Black
			4B: 4-way with center pushbutton	T: Mom.On/Off/Mom.Off		E: LRUD Hat	4: Double D-flat thread, black (only for TRT-2)			A: Gray
			8: 8-way actuation			F: IQUUD Hat	5: D-flat thread, clear (only for TRT-2)			
						G: Hat	6: Double D-flat thread, clear (only for TRT-2)			
						H: Stadium				
						J: Castle				
						K: 4-Way Jog				
						L: Short Bat				
						M: Bat				
						N: Post				
						P: 4-40 Threaded Post				
						Q: Rotated Stadium				

Pictures and Dimensions:

TRS-2 OTTO T1

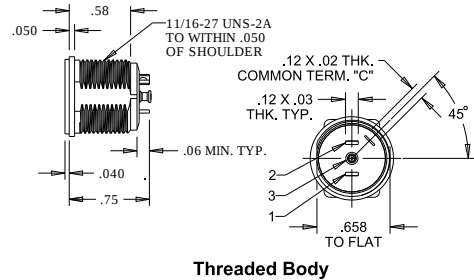
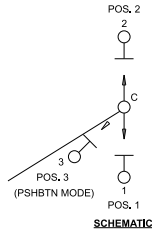
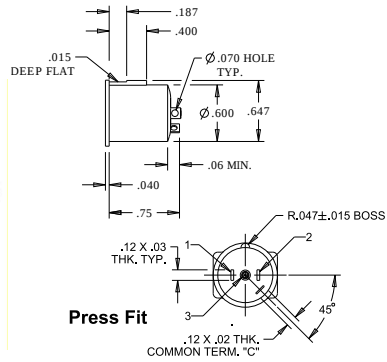


TRT-2 (Different PN with others) OTTO T1-T

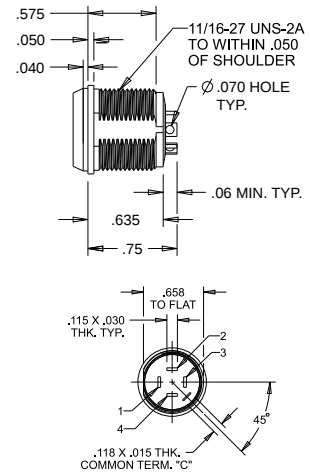
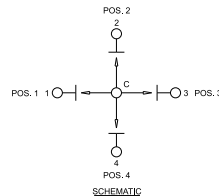
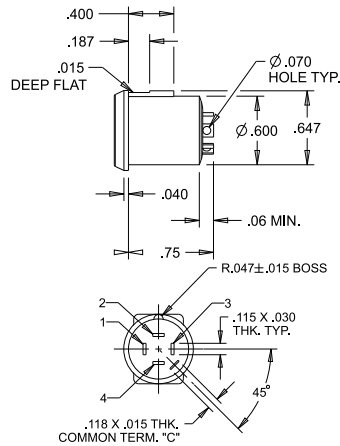


TRS Series Mini Trim Switches

TRS-2B OTTO T2



TRS-4 OTTO T4



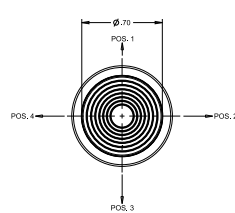
TRT-4 OTTO T4-T

Short Hat Button Style

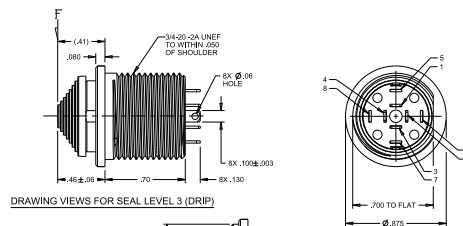


Castle Button Style

Inverse Hat Button Style

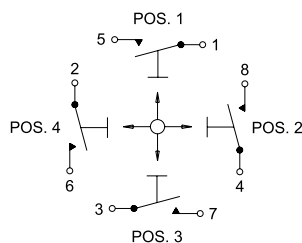


Short Hat Button Style
with Threaded Case



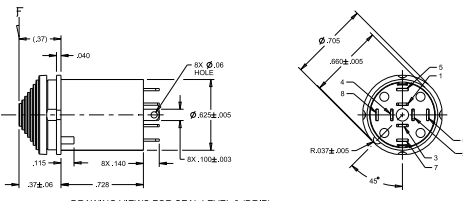
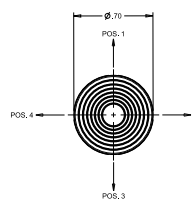
DRAWING VIEW FOR SEAL LEVEL 1 (IP64)
(FOR FEATURES NOT DIMENSIONED SEE MAIN DRAWING VIEWS)

DRAWING VIEW FOR SEAL LEVEL 2 (IP68S)
(FOR FEATURES NOT DIMENSIONED SEE MAIN DRAWING VIEWS)



SPST-NO
4 WAY
SCHEMATIC

Short Hat Button Style
with Press Fit Case

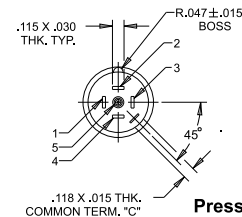
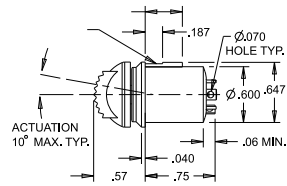


DRAWING VIEW FOR SEAL LEVEL 1 (IP64S)
(FOR FEATURES NOT DIMENSIONED SEE MAIN DRAWING VIEWS)

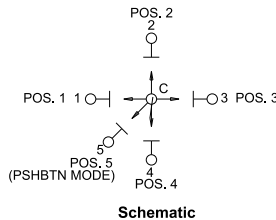
DRAWING VIEW FOR SEAL LEVEL 2 (IP68S)
(FOR FEATURES NOT DIMENSIONED SEE MAIN DRAWING VIEWS)

TRS Series Mini Trim Switches

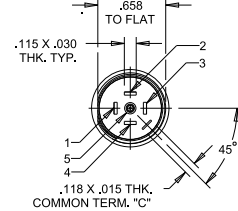
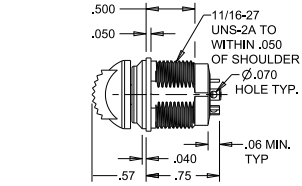
TRS-4B OTTO T5



Press Fit

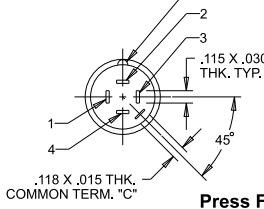
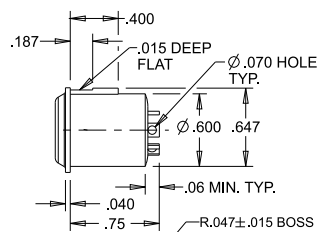


Schematic

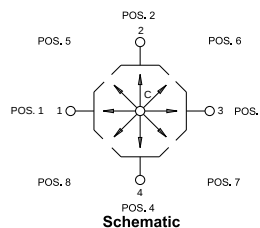


Threaded Body

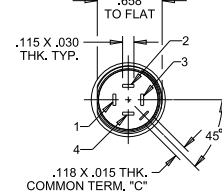
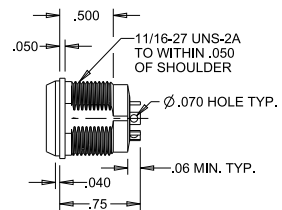
TRS-8 OTTO T8



Press Fit



Schematic



Threaded Body

TRT-8 OTTO T8-T

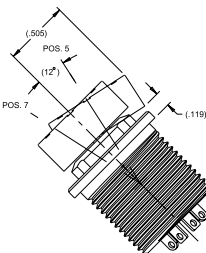


Hat Button Style
with Press Fit Case

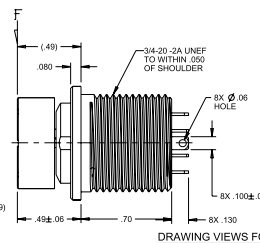


Inverse Hat Button Style
with Threaded Case

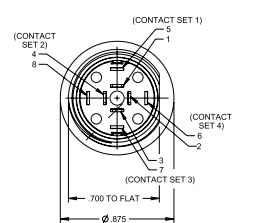
Inverse Hat Button with
Threaded Case Style



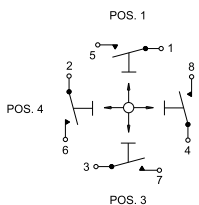
VIEW PROJECTED FROM
PLANE CREATED BETWEEN
POSITIONS 7 AND 5.



DRAWING VIEWS FOR SEAL LEVEL 3 (UNSEALED)
DRAWING VIEW FOR SEAL LEVEL 1 (IP64)
(FOR FEATURES NOT DIMENSIONED SEE MAIN DRAWING VIEWS)



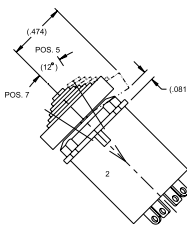
DRAWING VIEW FOR SEAL LEVEL 2 (IP68S)
(FOR FEATURES NOT DIMENSIONED SEE MAIN DRAWING VIEWS)



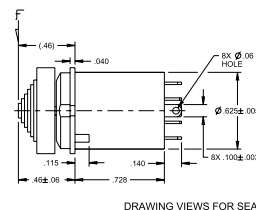
8-WAY SCHEMATIC

BUTTON POSITION	CONTACT SET 1	CONTACT SET 2	CONTACT SET 3	CONTACT SET 4
1	5 → 1	8 → 4	7 → 3	6 → 2
2				
3				
4				
5	5 → 1	8 → 4	7 → 3	6 → 2
6				
7				
8	5 → 1	8 → 4	7 → 3	6 → 2

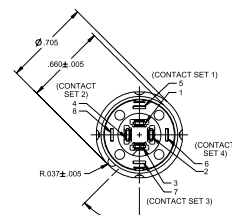
Hat Button with Press Fit
Case Style



VIEW PROJECTED FROM
PLANE CREATED BETWEEN
POSITIONS 7 AND 5.



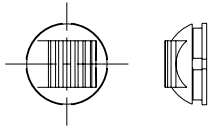
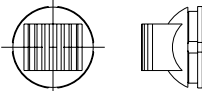
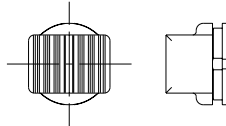
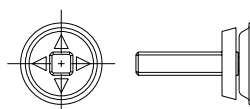
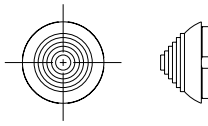
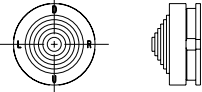
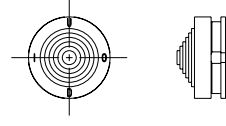
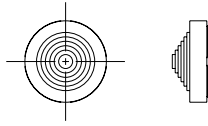
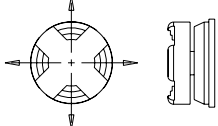
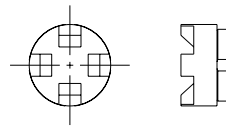
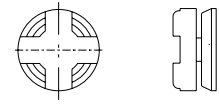
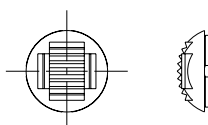
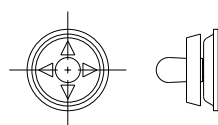
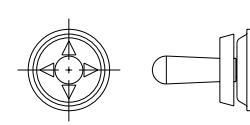
DRAWING VIEWS FOR SEAL LEVEL 3 (UNSEALED)
DRAWING VIEW FOR SEAL LEVEL 1 (IP64S)
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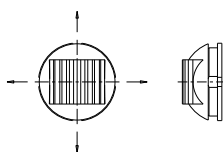
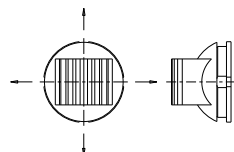
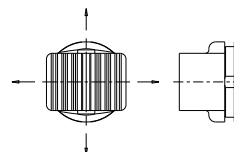
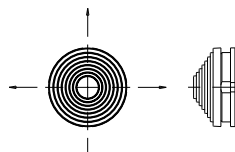
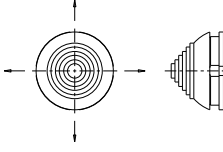
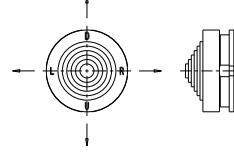
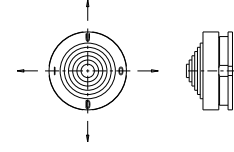
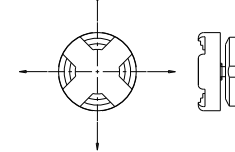
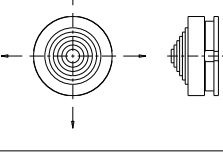
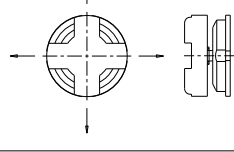
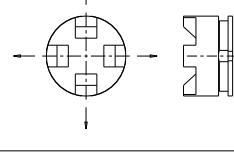
DRAWING VIEW FOR SEAL LEVEL 2 (IP68S)
(FOR FEATURES NOT DIMENSIONED SEE MAIN DRAWING VIEWS)

TRS Series Mini Trim Switches

TRS Button Styles

A - 2-WAY JOG	B - TALL JOG	C - ROCKER	N - POST
			
D - CONE	E - LRUD HAT	F - IOUD HAT	P - 4-40 THREADED POST
			
G - HAT	H - STADIUM	J - CASTLE	Q - ROTATED STADIUM
			
K - 4-WAY JOG	L - SHORT BAT	M - LONG BAT	
			

TRT Button Styles

A - 2-WAY JOG (T4-T ONLY)	B - TALL JOG (T4-T ONLY)	C - ROCKER (T4-T ONLY)	N - SHORT HAT (T4-T) and T (T8-T)
			
D - CONE (T4-T AND T8-T)	E - LRUD HAT (T4-T AND T8-T)	F - IOUD HAT (T4-T AND T8-T)	P - STADIUM ROTATED (T4-T) and Q (T8-T)
			
G - HAT (T4-T AND T8-T)	H - STADIUM (T4-T AND T8-T)	J - CASTLE (T4-T AND T8-T)	
			
K - 4-WAY JOG (T4-T AND T8-T)	L - INVERSE HAT (T4-T) and R (T8-T)	M - TALL HAT (T4-T) and S (T8-T)	
