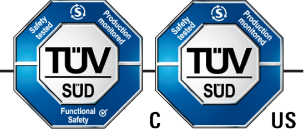





## Operating Instructions: 2 Position Selector Switches



Core Elements

<p><b>Description</b></p> <p>1 Normally Open (N/O) Non-illuminating Switch for machine control.</p> <ul style="list-style-type: none"> <li>• Each switch uses 1 output pin.</li> </ul> <p>Range of options:</p> <ul style="list-style-type: none"> <li>• 2 Position Selector</li> </ul> <p>Switches:</p> <ul style="list-style-type: none"> <li>• Latching</li> <li>• Momentary</li> <li>• Key Latching</li> <li>• Key Momentary</li> </ul>	<p>2 Position Selector Switch</p>	<p><b>T2A/T2D</b></p> 	<p>2 Position Selector Key Switch</p>	<p><b>TK5/TK6</b></p> 
		<p><b>Description</b></p> <p>1 Normally Open (N/O) Illuminated Switch for machine control.</p> <ul style="list-style-type: none"> <li>• Each switch uses 1 input and 1 output pin.</li> <li>• Inputs to the tGard stack are always assigned before outputs.</li> <li>• High input will illuminate the lamp, irrespective of selector.</li> </ul> <p>Range of options:</p> <ul style="list-style-type: none"> <li>• 2 Position Selector Switches</li> <li>• Latching</li> <li>• Momentary</li> </ul>		<p>2 Position Illuminated Selector Switch</p>
<p><b>Description</b></p> <p>1 N/O &amp; 1 N/C Non Illuminating Switch for machine control.</p> <ul style="list-style-type: none"> <li>• Each switch uses 2 output pins.</li> </ul> <p>Range of options:</p> <ul style="list-style-type: none"> <li>• 2 Position Selector Switch - Latching</li> </ul>	<p>2 Position Selector Switch</p>	<p><b>T2V</b></p> 		

# Operating Instructions: 2 Position Selector Switches

Technical Specifications	N/O Non-illuminated	N/O Illuminated	N/O & N/C Non-illuminated
Housing Materials	Painted die cast aluminium	Painted die cast aluminium	Painted die cast aluminium
Colour	Dark Grey	Dark Grey	Dark Grey
Ingress Protection	IP65*	IP65*	IP65*
Operating Life	N/A	1,000,000 momentary version	N/A
	N/A	500,000 latching version	N/A
Mechanical Life	1,000,000 Operations	N/A	1,000,000 Operations
Electrical Life	1,000,000 Operations	1,000,000 Operations	1,000,000 Operations
LED Life	N/A	100,000 hours on time	N/A
Maximum Frequency of Ops	1 per second	N/A	1 per second
Ambient Temperature	-25°C to 40°C (-13°F to 104°F)	-25°C to 40°C (-13°F to 104°F)	-25°C to 40°C (-13°F to 104°F)
Environment	Indoor use only	Indoor use only	Indoor use only
Switching Contact Element	1 output	1 output	2 output
Switching Current	1mA MIN / 100mA MAX	1mA MIN / 100mA MAX	1mA MIN / 100mA MAX
Switching Voltage	24V	24V	24V
Contact Material	Gold	N/A	N/A

\*IP protection is to the tGard stack that this module attaches to, when correctly fitted according to installation and maintenance instructions.

## Safety Data

Standards	EN60957-5-5 (Low-voltage switchgear and control gear).
Approvals	TÜV SÜD for Europe, Canada & USA

## tGard N/O Non-illuminated Switch Electrical Guidance

Inputs	Outputs	Module operates on the safety circuits	Order of pin assignment from base to head
0	1	No	-

## tGard N/O-illuminated Switch Electrical Guidance

Inputs	Outputs	Module operates on the safety circuits	Order of pin assignment from base to head
1	1	No	Input (LED) assigned first

## tGard N/O & N/C Non-illuminated Switch Electrical Guidance

Inputs	Outputs	Module operates on the safety circuits	Order of pin assignment from base to head
0	2	No	-

## Part Number Options

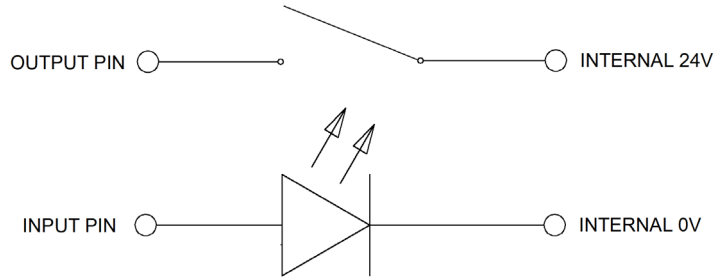
Description	Part No.
2 Position Selector Switch - Latching (N/O)	T2A
2 Position Selector Switch - Momentary (N/O)	T2D
2 Position Selector Key Switch - Latching (N/O)	TK5
2 Position Selector Key Switch - Momentary (N/O)	TK6
2 Position Illuminated Selector Switch - Latching (N/O)	T2E
2 Position Illuminated Selector Switch - Momentary (N/O)	T2F
2 Position Selector Key Switch - Latching (N/O & N/C)	T2V

# Operating Instructions: 2 Position Selector Switches

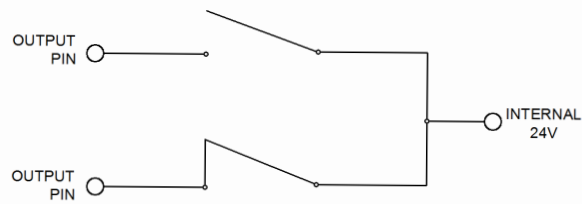
**Figure 1: Wiring Diagram - N/O Non-Illuminating**



**Figure 2: Wiring Diagram - N/O Illuminating**



**Figure 3: Wiring Diagram - N/O & N/C Non-Illuminating**



# Operating Instructions: 2 Position Selector Switches

Figure 4: Dimensional Drawing - T2A, T2D, T2E, T2F, T2V

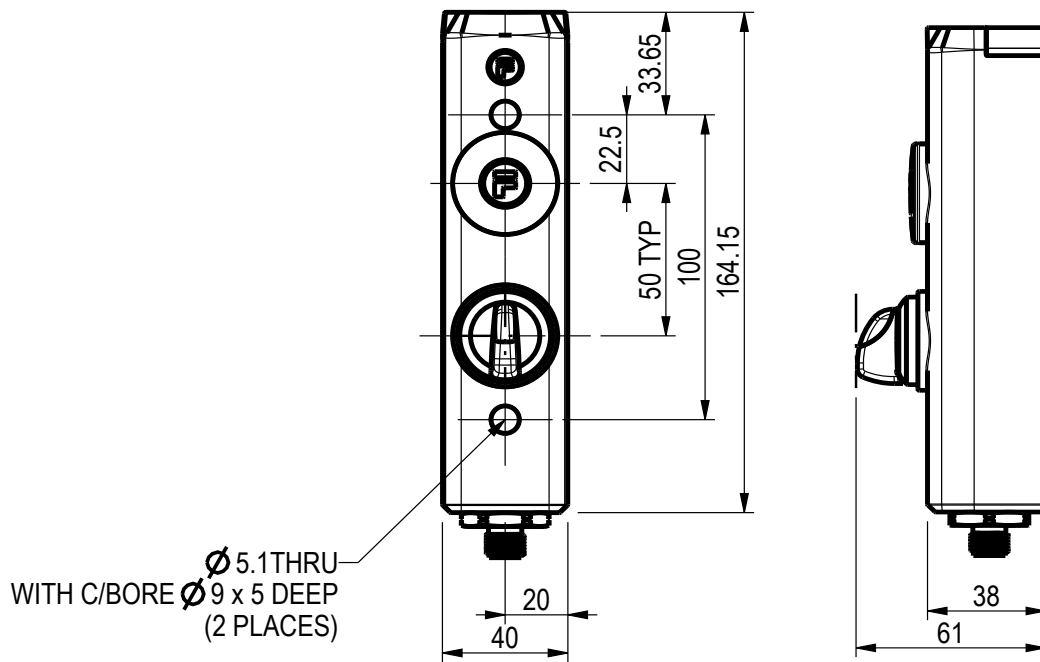


Figure 5: Dimensional Drawing - TK5, TK6

