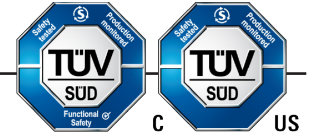


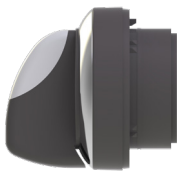

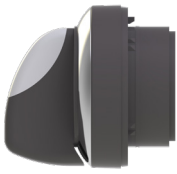


Operating Instructions: 2 Position Selector Switches



Core Elements

<p>Description</p> <p>1 Normally Open (N/O) Non-illuminating Switch for machine control.</p> <ul style="list-style-type: none"> Each switch uses 1 output pin. <p>Range of options:</p> <ul style="list-style-type: none"> 2 Position Selector <p>Switches:</p> <ul style="list-style-type: none"> Latching Momentary Key Latching Key Momentary 	<p>2 Position Selector Switch</p>	<p>T2A/T2D</p> 	<p>TK5/TK6</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">2 Position Selector Key Switch</p> 
<p>Description</p> <p>1 Normally Open (N/O) Illuminated Switch for machine control.</p> <ul style="list-style-type: none"> Each switch uses 1 input and 1 output pin. Inputs to the tGard stack are always assigned before outputs. High input will illuminate the lamp, irrespective of selector. <p>Range of options:</p> <ul style="list-style-type: none"> 2 Position Selector Switches Latching Momentary 	<p>2 Position Illuminated Selector Switch</p>	<p>T2E/T2F</p> 	 <p>Laser Engraving Information Engraving available for 2 position selector switch is 8 characters at each switch position.</p>
<p>Description</p> <p>1 N/O & 1 N/C Non Illuminating Switch for machine control.</p> <ul style="list-style-type: none"> Each switch uses 2 output pins. <p>Range of options:</p> <ul style="list-style-type: none"> 2 Position Selector Switch - Latching 	<p>2 Position Selector Switch</p>	<p>T2V</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

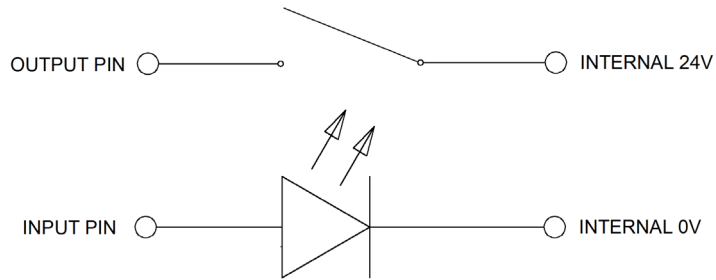
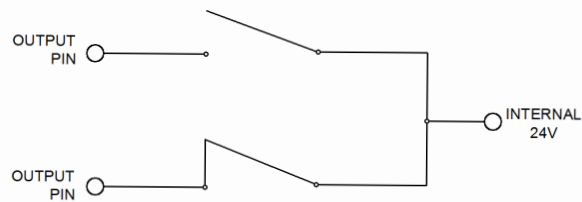


Figure 3: Wiring Diagram - N/O & N/C Non-Illuminating



Operating Instructions: 2 Position Selector Switches

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

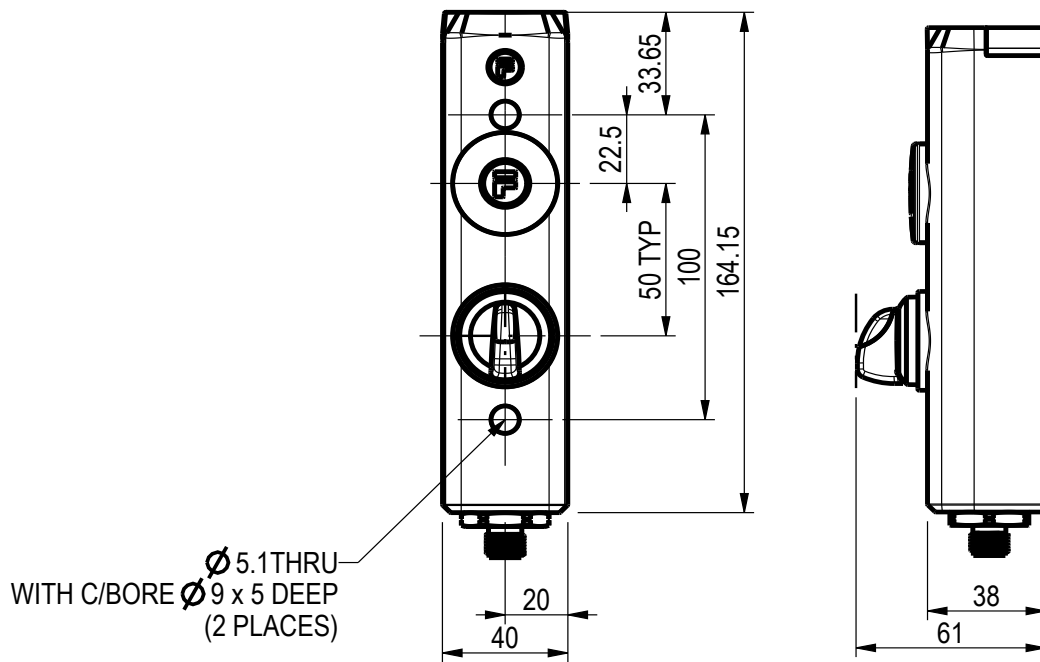


Figure 5: Dimensional Drawing - TK5, TK6

