



# Pushbuttons, Switches, and Indicators



- Heavy-duty Glass-filled polyimide construction
- IP66 degree of protection
- Patented Snap-on flange design enables fast and easy assembly without sacrificing strength and durability
- Reliable contact blocks: Four switching points with double movable bridge (Mechanically separated, but electrically connected). High efficiency self-cleaning sliding silver contacts
- LED and Incandescent lamps
- 2 year warranty

## Flush Pushbuttons



## Emergency Stop



## Selector Switches



## Incandescent & LED Indicators



## LED Illuminated Pushbuttons



<b>Standards</b>	IEC/EN 60947-5-1, VDE 0660, CENELEC EN50007, NFC63140, UL508, UL50	
<b>Rated Insulation Voltage Ui</b>	660VAC / 660VDC	
<b>Rated Impulse Voltage Uimp</b>		
According to IEC 60947-5-1	2.5kV	
<b>Degree of Protection</b>		
According to IEC/EN 60529	IP66	
Terminals	IP2X	
According to UL	NEMA1, 3R, 12, 4, 4X	
<b>Electrical Data - IEC Ratings</b>		
Rated Thermal Current Ith	10	
AC-15		
	24V	10A
	48V	10A
	60V	10A
	110V	6A
	230V	3A
	400V	2A
	500V	1.5A
	600V	1.2A
DC-13		
	24V	2.5A
	48V	1.4A
	60V	1A
	110V	0.55A
	230V	0.27A
	400V	0.2A
	600V	0.1A
<b>Electrical Data - UL Ratings</b>		
AC / Heavy Duty	A600	
DC / Heavy Duty	Q600	
<b>Contact Resistance</b>	≤25 mΩ according to IEC/EN 60255	
<b>Short-Circuit Protection</b>		
According to IEC/EN 60269-1	16A	
According to IEC/EN 60269-3	MPW25-10	
<b>Ambient Temperature</b>	-25° to 70°C (-13° to 158°F)	
<b>Shock Resistance</b>	100g: no damage for all components. According to MIL202 B	
<b>Vibration Resistance</b>		
According to IEC/EN 6068-2-6	16g: 40-500Hz with 0.75mm pike-pike	
<b>Mechanical Endurance</b>		
Pushbuttons	3 million operations	
Selector Switches	1 million operations	
Emergency Pushbutton	300 thousand operations	
<b>Maximum Contacts</b>		
Pushbuttons	6 w/ flange 3pos. 8 w/ flange 5pos.	
Selector Switches	4 w/ flange 3pos. 8 w/ flange 5pos.	
Emergence Pushbutton	2 w/ flange 3pos. 0 w/ flange 5pos.	
<b>Conductors</b>		
Minimum	1 x 0.5mm <sup>2</sup>	
Maximum	2 x 2.5mm <sup>2</sup>	
<b>LED</b>		
Operational Voltage	-15% to +10% x nominal voltage	
Current	20mA	
Lifespan	100,000h	