


# Control & Signalling Units $\phi$ 22mm (fixing)

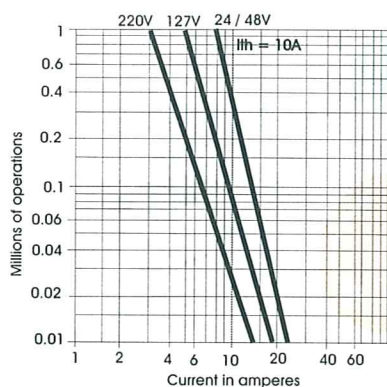
## Characteristics

### General Characteristics

Products	Push Buttons, Selector Switches, Latching Mushroom Head Push Buttons, Pilot Lights & Illuminated Push Buttons
Reference Standard	IEC 947-5-1/EN 60947-5-1, UL 508, CSA C-22-2 n° 14
Approval	U <sub>i</sub> , C <sub>U</sub> & 
Protection Degree	IP 65 according to IEC 947-1
Pollution Degree	3
Temperature	-40 ~ + 70°C (Storage) -25 ~ +70°C (Working)
Vibration Resistance	Mushroom head Push Buttons: 8gn, Other Push Buttons & Pilot Lights: 15gn (40 to 500 Hz) conforming to IEC 68-2-6
Shock Resistance	Push Buttons : 70gn, Mushroom Head Push Buttons: 15gn, Selector Switches : 200gn conforming to IEC 68-2-27
Working Position	All working positions are allowed
Mechanical Life	Push Buttons & Selector Switches 1 million operations, Emergency Mushroom Push Buttons 300,000 operations

### Contact Elements Characteristics

Rated Thermal Current	$I_{th}$ 10A
Rated Insulation Voltage	$U_i$ 500V conforming to IEC 947, UL 508 & CSA 22-2 n° 14
Insulation Category	Group C conforming to NF C 20-040, VDE 0110
Operating Force	Push Buttons - 1 'NO' = 10N, 1 'NC' = 8N Additional contacts - 'NO' = +5N, 'NC' = +3N
Dielectric Strength	2.5KV for 1 minute
Insulation Resistance	2M Ohm min (500 VDC)
Initial Contact Resistance	$\leq$ 25 milli Ohm
Short Circuits Protection	10A 500V, Cartridge Fuse g1 or N conforming to IEC 337-1
Terminal Reference	Conforming to CENELEC EN 50013
Connections	On Screw with non loosable plate lamp Sec. 2.5mm <sup>2</sup> max. (14 AWG)
Contact Operation	Self Cleaning type, Slow action, Positive Opening
Operation Frequency	3600 Operations per hour
Utilization Category	AC 15 (DC 13)
Rated Power Conforming to IEC 947-5-1 Load factor : 0.5 AC Supply (50/60 Hz)	DC Supply Power broken in watts for 1 million operations Voltage      24V      48V      120V  Inductive Load      65W      48W      40W



AC Ratings, Inductive - NEMA A600  
35% Power Factor

Volts	Make Amperes	VA	Break Amperes	VA	Continuous carrying Amperes	Resistive 75% Power factor Make, Break & continuous Amperes
120	60	7200	6	720	10	10
240	30	7200	3	720	10	10
480	15	7200	1.5	720	10	10
600	12	7200	1.2	720	10	10

DC Ratings, NEMA Type Q600  
Inductive and resistive

Volts	Make & Break	Continuous
125	55	2.5
250	0.27	2.5
600	0.10	2.5