

Selector Switches

Standard



General Characteristics

Products	Push buttons, selector switches, latching mushroom head push buttons, pilot lights and illuminated push buttons
Reference standard	IEC 947-5-1/EN 60947-5-1, UL 508, CSA C-22-2 n° 14
Approval	
Protection degree	IP 65 according to IEC 947-1
Pollution degree	3
Temperature	-40°C ~ +70°C (storage) -25°C ~ +70°C (working)
Vibration resistance	Mushroom head push buttons: 8gn Other push buttons and pilot lights: 15gn (40 to 500Hz) confirming to IEC 68-2-6
Shock resistance	Push buttons : 70gn Mushroom head push buttons : 15gn Selector switches : 200gn Confirming to IEC 68-2-27
Working position	All working positions are allowed
Mechanical life	Push buttons and selector switches 1 million operations, emergency mushroom push buttons 300,000 operations

Contact Elements Characteristics

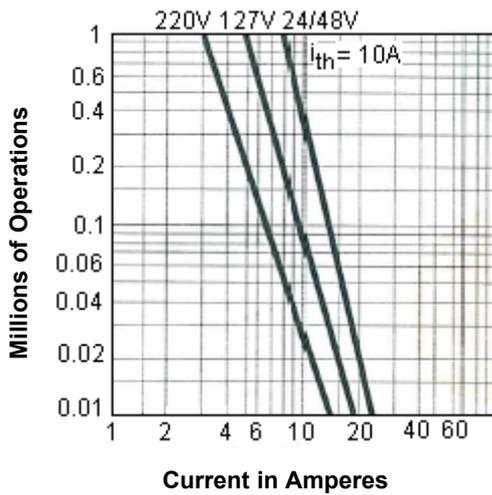
Rated thermal current	I_{th} 10A
Rated insulation voltage	U_i 500V conforming to IEC 947, UL 508 and CSA 22-2 n° 14
Insulation category	Group C conforming to NF C20-040, VDE 0110
Operating force	Push buttons- 1 'No' =10N, 1 'NC' = 8N Additional contacts - 'NO' = +5N, 'NC' = +3N
Dielectric strength	2.5KV for 1 minute
Insulation resistance	2M Ω minimum (500 V dc)
Initial contact resistance	$\leq 25m\Omega$
Shot circuits protection	10A 500V, cartridge fuse gl or N conforming to IEC 337-1

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Contact Elements Characteristics

Terminal reference	Conforming to CENELEC EN 50013
Connections	On screw with non losable plate lamp sec, 2.5mm ² maximum (14AWG)
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 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 and Continuous Amperes
120	60	7200	6	720	10	10
240	30		3			
480	15		1.5			
600	12		1.2			

DC Ratings, NEMA Type Q600

Inductive and Resistive

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

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Part Number Table

Description	Part Number
22mm Switches Switch 2 Pos Stay Put	RCB2-BD2
22mm Switches Switch 3 Pos Stay Put	RCB2-BD3
22mm Switches Switch 3 Pos Spring Return to Centre	RCB2-BDR3

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