



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

## Non-Illuminated Double Headed Push Buttons, Selector Switches & Key Switches (Type RB2-B)

(Control Units with Chromium plated metal bezel)

### Operating Heads for Double Headed Push buttons, Spring Return w/o Pilot Light- IP40

Description	Marking	Colour	Reference
2 FLUSH PUSH BUTTONS W/O PILOT LIGHT	I O	 	RB2-BA87



RB2-BA87

### Operating Heads for Double Headed Push buttons, With Pilot Light - IP40

1 FLUSH PUSH BUTTON 1 PILOT LIGHT (IN CENTRE) 1 FLUSH PUSH BUTTON	I O	  	RB2BW9
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Available with assembly unit & with following options :

FILAMENT BULB	CLEAR
NEON BULB	
LED	

### Operating Heads for Selector Switches - IP65

Description	Type	Operator	Reference
2 POSITION	STAY PUT	STANDARD HANDLE	RB2-BD2
		LONG HANDLE	RB2-BJ2
	SPRING RETURN TO CENTRE FROM RIGHT & LEFT	STANDARD HANDLE	RB2-BDR2
3 POSITION	STAY PUT	LONG HANDLE	RB2-BJR2
		STANDARD HANDLE	RB2-BD3
	LONG HANDLE	RB2-BJ3	
	SPRING RETURN	STANDARD HANDLE	RB2-BDR3
		LONG HANDLE	RB2-BJR3
	1 SPRING RETURN RIGHT TO CENTRE	STANDARD HANDLE	RB2-BD8
1 SPRING RETURN LEFT TO CENTRE	LONG HANDLE	RB2-BJ8	
	STANDARD HANDLE	RB2-BD7	
	LONG HANDLE	RB2-BJ7	



RB2-BW9



RB2-BD●

### Operating Heads for Key Switches (Raas Key No. 455) - IP65

Description	Type	Key removal	Reference
2 POSITION	STAY PUT	LH POSITION	RB2-BG2
		RH POSITION	RB2-BG02
		ALL POSITIONS	RB2-BG4
	1 SPRING RETURN RIGHT TO LEFT	LH POSITION	RB2-BG6
3 POSITION	STAY PUT	CENTRE POSITION	RB2-BG3
		LH AND RH POSITION	RB2-BG5
		ALL 3 POSITIONS	RB2-BG0
		RH POSITION	RB2-BG09
		LH POSITION	RB2-BG9
	STAY PUT TO LEFT SPRING RETURN FROM RIGHT TO CENTRE	CENTRE POSITION	RB2-BG8
SPRING RETURN TO CENTRE FROM RIGHT & LEFT	CENTRE POSITION	RB2-BG7	



RB2-BJ●



RB2-BG●

### Operating Heads with Black metal bezel

TO ORDER ADD SUFFIX '7' TO ABOVE

e.g. RB2-BG2


BECOMES

RB2-BG27

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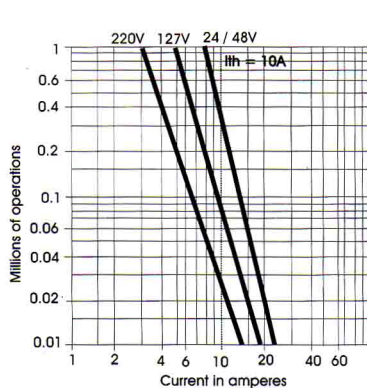
## Characteristics

### 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, IEC 337-1, UL 508, CSA C-22-2 n° 14
Approval	U <sub>L</sub> , C <sub>UL</sub> & 
Protection Degree	IP 65 / IP 66 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: 8g, Other Push Buttons & Pilot Lights: 15g (40 to 500 Hz) confirming to IEC 68-2-6
Shock Resistance	Push Buttons : 70g, Mushroom Head Push Buttons: 15g, Selector Switches : 200g 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 947-1, 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 gI 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	DC Supply
Conforming to IEC 947-5-1	Power broken in watts
Load factor : 0.5	for 1 million operations
AC Supply (50/60 Hz)	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