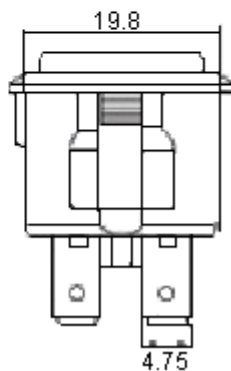
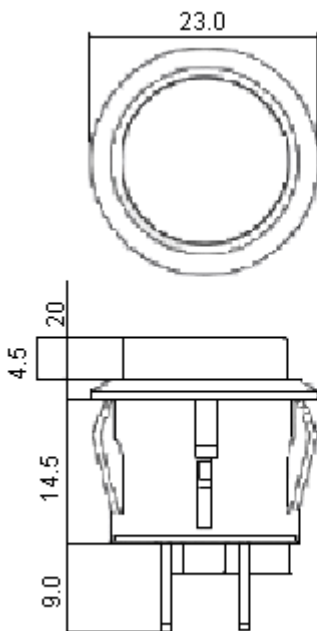


Pushbutton Switches

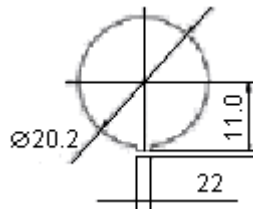


Features:

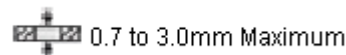
- Material : frames are nylon. Terminals are silver plated brass.
- Illuminated actuators are moulded in PC, available with red, amber and green colours.
- Water proof and dust proof to fit IP-66.



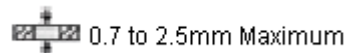
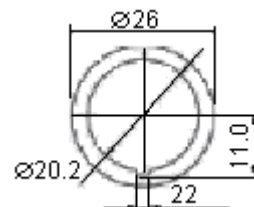
Cut-out



Button



Cut-out for X2 Button



Dimensions : Millimetres

Specifications:

Rating	: 10A, 125V ac 1/2HP 6A, 250V ac 1/2HP.
Maximum contact resistance	: 50mΩ.
Minimum insulation resistance	: 500V dc, 100MΩ.
Dielectric strength	: 1000V ac for 1 minute.



Pushbutton Switches



Scope

These requirements cover manually and mechanically operable special-use switches:

That is for use on direct current as well as on alternating current only.

For which the load ratings do not exceed 60 amperes at 250 volts or a lower potential and 30 amperes or 2 horsepower at 600 volts or a lower potential.

Electrical Ratings

Item	Requirements
Rated voltage and current	(base on switch type)
Contact resistance (new state)	<100mΩ (5V, 1A dc)
Dielectric strength (new state)	>1000V >2500V (10mA between the contacts)
Insulation resistance (new state)	>100MΩ (500V dc between the open contacts)
Inrush current	50A/3msec (capacitive load)
Electrical life endurance	>6000 operations Volt drop : <100mV >10,000 operations
Temperature rise at the terminals (according to electrical life endurance)	<30°C - 6000 operations <45°C - 10,000 operations (ambient conditions : 25 ±2°C and 65 ±5%R.H)

Mechanical Characteristics

Item	Requirements
Actuating force	(base on switch type)
Operating life endurance	>100,000 operations
Terminal strength	>2.5kg - solder terminal >6.8kg - plug-in/screw terminal
Solderability of terminals	Maximum 350°C/3sec (no pressure may be exerted on the terminals when soldering by hand)

Environmental

Item	Requirements
Ambient temperature	-20°C to +65°C
Humidity	Maximum 85%
Salt spray test	No remarkable rust in metal parts (5% salt/35°C 24hrs)
Shock test	No mechanical defect or damage (100g/10msec X, Y, Z 3 times)
Vibration test	No mechanical defect damage (10-55Hz/1.5mm/X, Y, Z 2hrs)

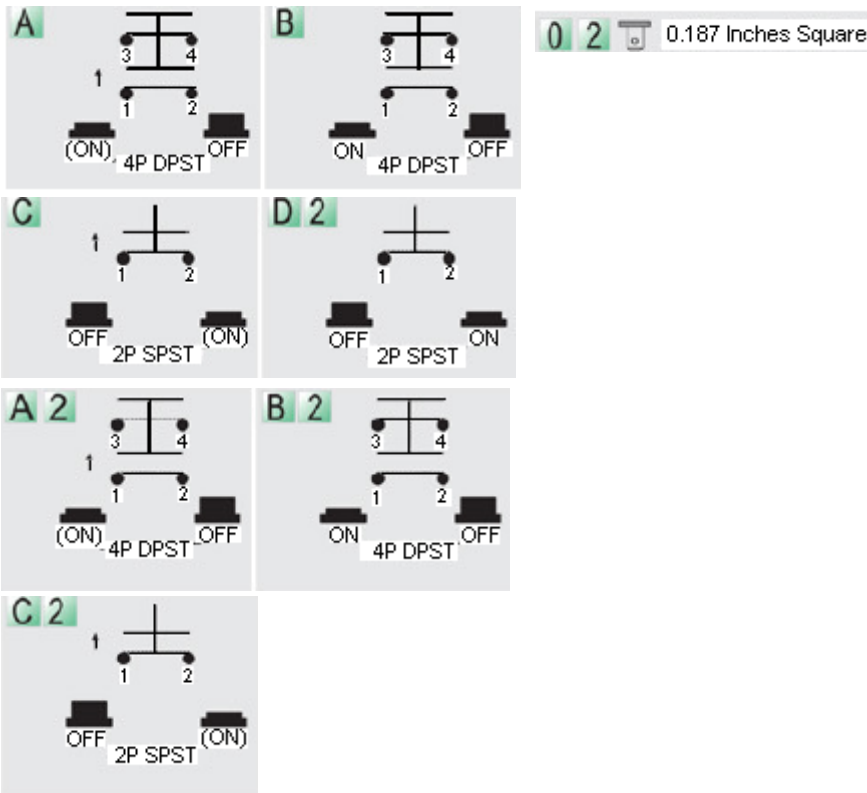
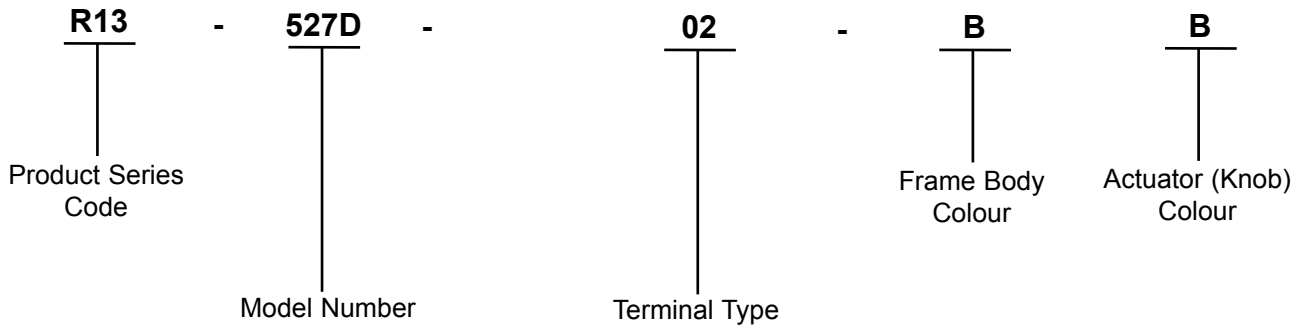
Pushbutton Switches



Part Number Table

Description	Part Number
Switches	R13-527D-02-BB
	R13-527C-02-BB
	R13-527B-02-BB
	R13-527A-02-BB
	R13-527D2-02-BB
	R13-527C2-02-BB
	R13-527B2-02-BB
	R13-527A2-02-BB

Part Number Explanation:



Frame Body Colour : B = Black.
 Actuator (Knob) Colour : B = Black.



Pushbutton Switches



Notes:

International Sales Offices:

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