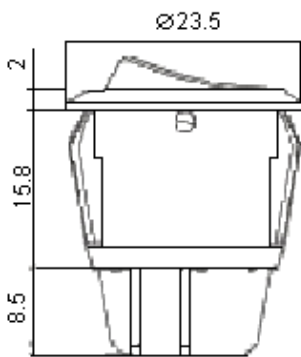




Ø 20.2

3mm Maximum



20A 12V dc

Dimensions : Millimetres

## 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)

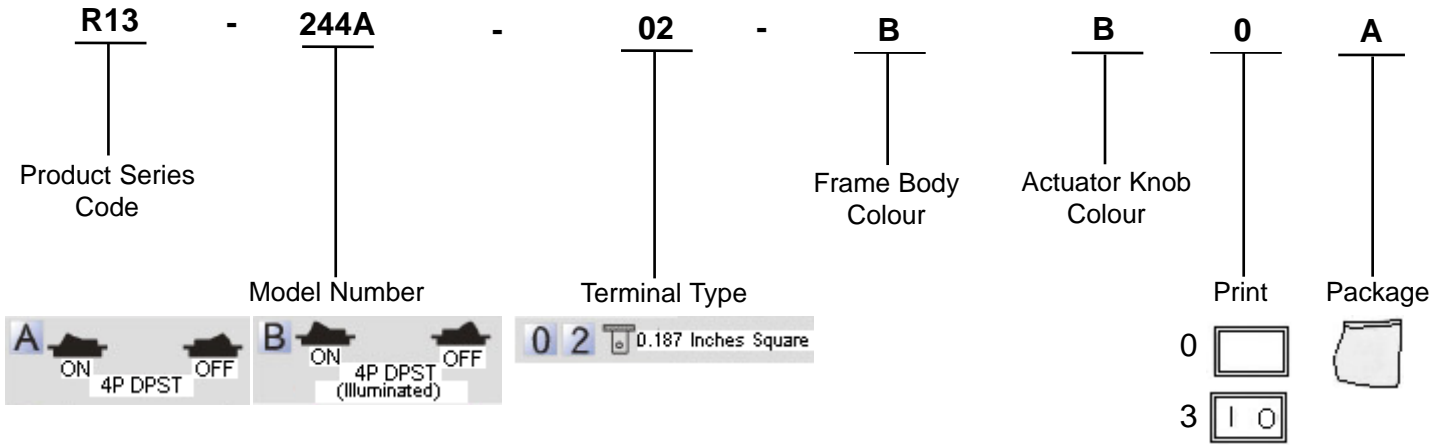
## Part Number Table

Description	Part Number
Switches	R13-244A-02-BB-0A
	R13-244A5-02-WW-0A
	R13-244A-02-BB-3A
	R13-244A5-02-WW-3A
	R13-244B-02-BR-0A
	R13-244B-02-BG-0A

# Rocker Switches









## Part Number Explanation:



- Frame Body Colour** : B = Black and W = White.
- Actuator Knob Colour** : W = White, B = Black, R = Red and G = Green.
- Print** : 0 = None.
- Package** : A = Bulk.

## Notes:

## International Sales Offices:

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	<b>CZECH REPUBLIC - Farnell</b> Tel No: ++ 44 870 1200 208 Fax No: ++ 44 870 1200 209		<b>INDIA - Farnell</b> Tel No: ++ 44 870 1200 208 Fax No: ++ 44 870 1200 209		<b>PORTUGAL - Farnell</b> Tel No: ++ 34 93 475 8804 Fax No: ++ 34 93 474 5288		<b>USA - Newark</b> Tel No: 800 463 9275
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