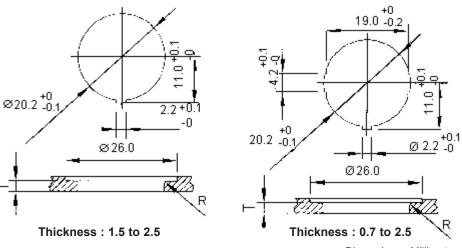
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	R13-112F8-02-BB - Series		-	A	RELEASED)	Veena	9/13/08	Suresh	9/13/08	Farnell	9/27/08
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	PART NO.		REVISIONS								
	R13-112F8-02-BB - Series	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
		-	A	RELEASED	Veena	9/13/08	Suresh	9/13/08	Farnell	9/27/08	

Mounting Hole



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

_											
lte	m			Re	quireme	ents					
Rated voltage and current			(base on	switch type)						
Contact resistance (new state)			<100mΩ	(5V, 1A dc)							
Dielectric strength (new state)			>1000V >2500V	(10mA betwe	een the	contacts)					
Insulation resistance (new state)			>100MΩ	(500V dc be	etween t	he open contac	:ts)				
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	PART NO.		REVISIONS								
	R13-112F8-02-BB - Series	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
		-	А	RELEASED	Veena	9/13/08	Suresh	9/13/08	Farnell	9/27/08	

Electrical Ratings

Item	Requirements
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)

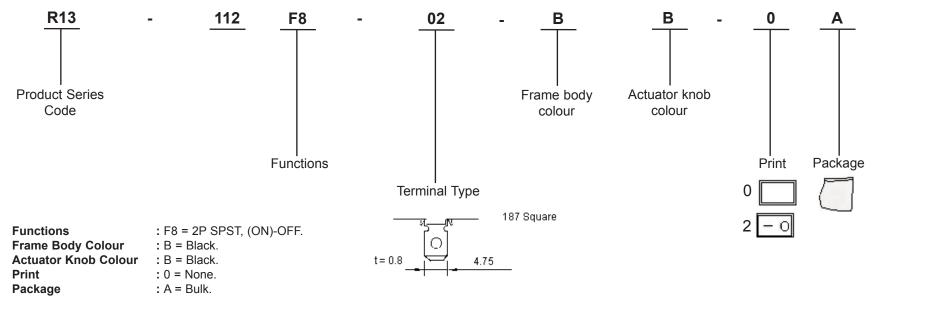
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		Suresh	09/13/08	Δ	M10001743	R13-112 Waterproof Ser+sci_DWG A			
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	R13-112F8-02-BB - Series	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	А	RELEASED	Veena	9/13/08	Suresh	9/13/08	Farnell	9/27/08

Part Number Table

Description	Part Number
Switches	R13-112F8-02-BB-0A
Switches	R13-112F8-02-BB-2A

Part Number Explanation:



http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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