

# ROTARY SWITCHES

## Series 20

### DESCRIPTION

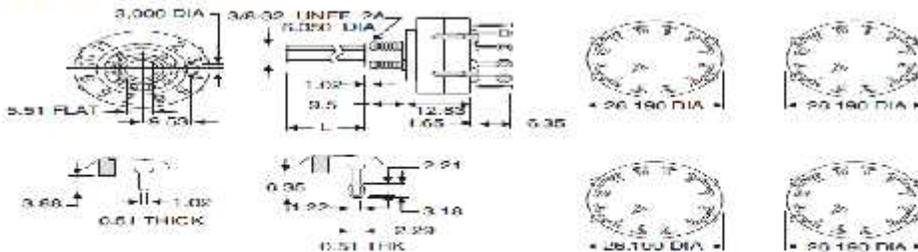
Sunshine Series 20 is a Miniature Rotary Switch of 25 mm Dia., offering premium quality at economical price. The design of the switch is limited to a single section with solder/pc terminals. These are totally enclosed switches offering the most popular combination as encountered in modern electronic circuits. Uniform, positive indexing is provided by 2 balls housed in an Engineering Plastic case.

### FEATURES

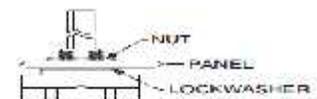
- Miniature single section switches
- Contacts totally enclosed for environmental protection
- Choice of contact materials
- Stoppers can be adjusted at site
- Can be directly mounted on PC



### DIMENSIONAL DETAILS

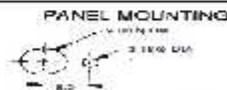
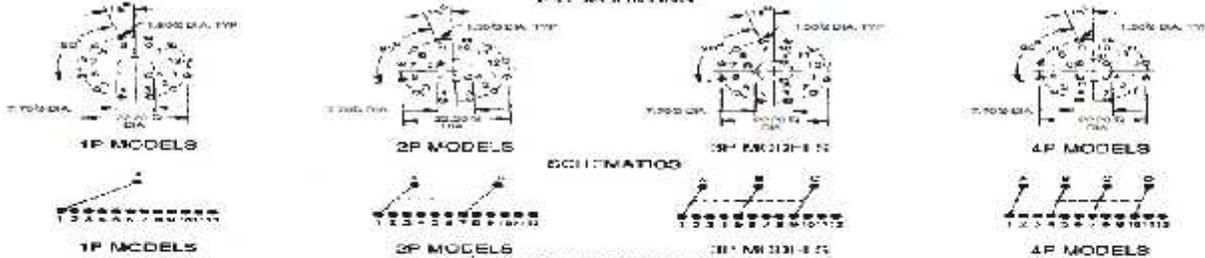


### PANEL MOUNTING



Install switch with stop ring (if used) and lockwasher back of panel (Switch side).  
Tighten hex nut from front of panel. PC mounted switches, use hex nut and lockwasher to hold stop ring in place.

### P.C. MOUNTING



All Dimensions in mm.

# SPECIFICATIONS

**CONTACT RATING** : 2.5 A @ 125 V AC or 28 V DC, 150 mA @ 230 V AC or DC.  
**CONTINUOUS CURRENT** : 5A  
**LIFE** : More than 20,000 cycles on full load.  
**CONTACT RESISTANCE** : <20 milli ohms measured at 2-6V DC / 100 mA initial  
**INSULATION RESISTANCE**: > 1000 Meg ohms  
**VOLTAGE PROOF** : min. 1000 V AC  
**OPERATING TEMP** : -30° C to + 70° C  
**INDEXING ANGLE** : 30°

## MATERIALS & FINISHES

**BODY, ROTOR AND BASE** : Glass filled nylon  
**CONTACTS** : Copper alloy or coin silver, Silver plate or gold plate (See contact selection)  
**HARDWARE** : Brass / Steel Zinc plate

### HOW TO ORDER:

- For standard switches by describing as given below
- For special assembly use layout or send drawings.

Order Code	Shaft Length
S1	Std. Shaft 12.0 mm
S2	Std. Shaft 40.0 mm
L	Specify Length

Order Code	Termination
2	Solder Type
3	PC type

Order Code	CIRCUIT CONFIGURATION
S	Shorting
N	Non-shorting

Order Code	No. of positions
02	2
03	3
-	-
12	12

Order Code	No. of Poles
1	One
2	Two
3	Three
4	Four

Order Code	CONTACT SELECTION
0	<b>STATOR CONTACTS AND MOVING CONTACTS</b> : Copper alloy with silver plate <b>RATING</b> : 150 mA @ 230 V AC or DC <b>Carry</b> : 5 A continuous
1	<b>STATOR CONTACTS AND MOVING CONTACTS</b> : Copper alloy with silver plate : Coin silver with silver plate <b>RATING</b> : 2.5 A @ 125 V AC or 28 V DC; : 150 mA @ 230 V AC or DC; <b>Carry</b> 5A continuous
2	<b>STATOR CONTACTS AND MOVING CONTACTS</b> : Copper alloy with gold plate over nickel plate <b>RATING</b> : 0.4 V A max. @ 20V AC or DC max.
3	<b>STATOR CONTACTS AND MOVING CONTACTS</b> : Copper alloy, with gold plate over nickel plate over silver plate : Coin silver with gold plate, over Nickel plate over silver plate <b>RATING</b> : 0.4 V A max @ 20 V AC or DC max. Or 2.5 A @ 125 V AC or 28 V DC; 150 mA @ 230 V AC or DC

**ORDERING CODE**



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