

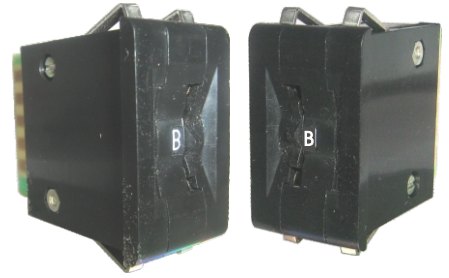
# THUMB WHEEL SWITCHES



## Series SL-83

### DESCRIPTION

**Integral Type SL-83 Series** Thumb Wheel Switches are slim compact switches of high quality used in a wide variety of applications in Instrumentation, Machine Controls, Process Controls, etc. The switches are fixed from front of the panel, and are snap-mounted without the aid of Switches.



The switches can be ordered either as complete assemblies or individual modules with sides separately. If sides are ordered separately, the order code is 8300 to represent 1 pair of sides.

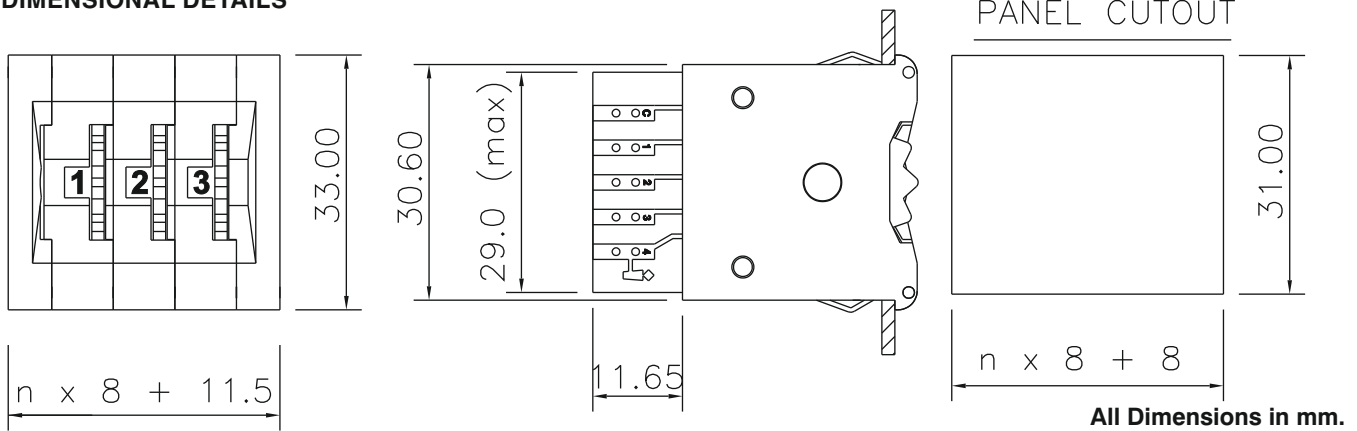
### SPECIFICATIONS

CONTACT RATING	: Switching 125 mA max. Carrying : 1 Amp continuous
OPERATING VOLTAGE	: 50 mV to 28 V DC or 120V AC.
CONTACT RESISTANCE	: Less than 200 milli ohms Initial @ 2-6 V DC, 100 mA.
INSULATION RESISTANCE	: 1000 Megohms min.
DIELECTRIC STRENGTH	: 750 V RMS min @ sea level
ELECTRICAL LIFE	: 100,000 detent operations
OPERATING TEMP	: -25°C to +70°C
NO. OF POSITIONS	: 16 (stops available)

### MATERIALS & FINISHES

BODY, WHEEL AND CAM	: Engineering Thermoplastics (Polycarbonate/ABS/Poly acetal)
WIPER CONTACT	: Hard Gold over Nickel on Copper Alloy
STATOR CONTACT	: Hard Gold over Nickel over Copper on Glass Epoxy laminate to Nema Fr4.
HARDWARE	: Steel, Zinc plated
SIZE OF CHARACTER ON THE WHEEL	: 16 positions - 5 mm (Consult factory for non-standard printing).

### DIMENSIONAL DETAILS



OUTPUT CODES		TERMINATIONS		NO. OF SECTIONS		BODY COLOUR	
Order Code	Description	Order Code	Description	Order Code	Description	Order Code	Colour
16	BCD 1-2-4-8 ; 16 pos.	P	Standard PCB	01	1 Section without sides	B	Black
61	BCD 1-2-4-8 ; 16 pos. Complementary	A	Assembly (usually with Diodes or resistors, etc.)	S1	1 Section with sides	G	Grey
		B	Berg Stick parallel to the PCB	S2	2 Sections with sides		
		R	Berg Stick at right angle to the PCB	S3	3 Sections with sides		
				Etc.	Etc.		

WHEEL COLOUR	
Order Code	Colour
B	Black
R	Red

**ORDERING CODE** 8 3 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

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