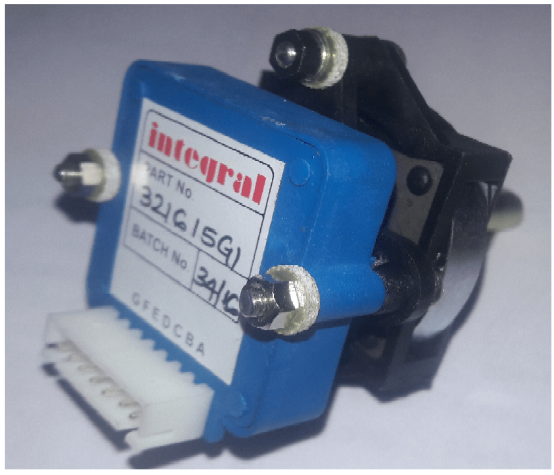
ROTARY SWITCHES

Series 32

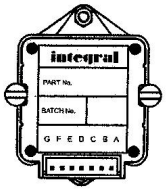
DESCRIPTION

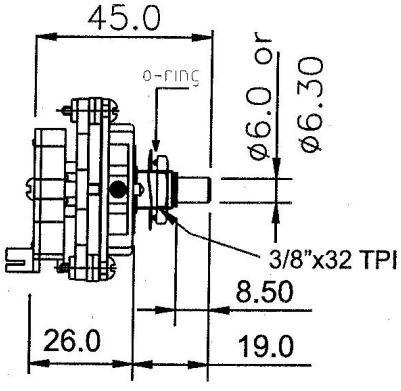


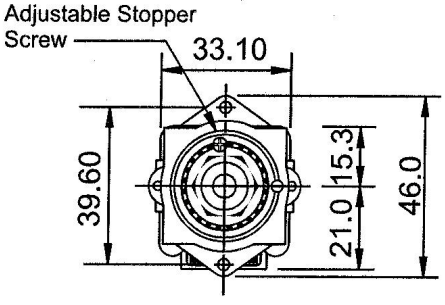
Integral Rotary Switch Series 32 satisfies the user requirement for a low cost & high quality switch with a smooth rotation feel. The design of the contacts using special copper alloy, with Gold plated. Gives relable contact through out the switch life. The main contact area is sealed .The panel can be protected from water proof O-ring. The digital code switch can largely reduce wires. It can be connected through a connector.

inhibit terminals or Parity terminals are provided for codes.

DIMENSIONAL DETAILS







All Dimensions in mm.

SPECIFICATIONS :

Rotating Torque	1.5 - 2.5 Kg Cm	Contact Resistance	≤ 100 mΩ
Terminal strength	15 Kg Cm	Insulation Resistance	2 GΩ B/w Any 2 Insulated parts.
Stopper Strength	15 kg Cm	Withstand Voltage	Terminal to Terminal AC 500 V / 1 min
Vibration Durability	No defect Found after 9 Hours of Vibration Stroke for 0.75 mm		Terminal to Ground AC 1500V / 1 min
	to each XYZ direction As per JSS 50101 Standard	Contact Rating	0.5 A @ 5 V AC / 0.25 A @ 5V DC
Operating temperature	Minus 25°C to + 85°C	Electrical Life	1,00,000 Cycles
		Mechanical Life	1,00,000 Cycles

TRUTH TABLE SELECTION

Angle of throw :15° (24-position)

BCD Real Code (with inhibit)

Terminal No.	Code Output	Switch Position 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	1		●		●		●		●		●		●		●		●		●		●		●		●
F	2			●	●			●	●			●	●			●	●			●	●			●	●
B	4					●	●	●	●					●	●	●	●					●	●	●	●
E	8									●	●	●	●	●	●	●	●								
C	16																	●	●	●	●	●	●	●	●
G	Inhibit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Dot (●) indicates terminal to common (D) connection.

Angle of throw :30° (12-position)

Gray Real Code (with parity)

Terminal No.	Code Output	Switch Position 0	1	2	3	4	5	6	7	8	9	10	11
A			●	●			●	●			●	●	
F				●	●	●	●					●	●
B						●	●	●	●	●	●	●	●
E										●	●	●	●
C	Parity		●		●		●		●		●		●

Dot (●) Indicates terminal to common (D) connection.

Angle of throw :15° (24-position)

Gray Real Code (with parity)

Terminal No.	Code Output	Switch Position 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A			●	●			●	●			●	●			●	●			●	●			●	●	
F				●	●	●	●					●	●	●	●					●	●	●	●		
B						●	●	●	●	●	●	●									●	●	●	●	
E										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
C																		●	●	●	●	●	●	●	
G	Parity		●		●		●		●		●		●		●		●		●		●		●		●

Dot (●) indicates terminal to common (D) connection.

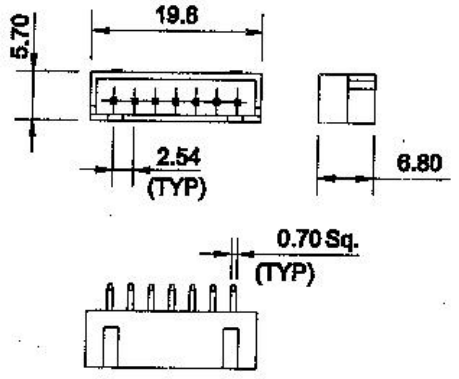
Angle of throw :30° (12-position)

BCD Real Code (with inhibit and parity)

Terminal No.	Code Output	Switch Position 0	1	2	3	4	5	6	7	8	9	10	11
A	1		●		●		●		●		●		●
F	2			●	●			●	●			●	●
B	4					●	●	●	●				
E	8									●	●	●	●
C	Parity		●	●		●			●	●			●
G	Inhibit	●	●	●	●	●	●	●	●	●	●	●	●

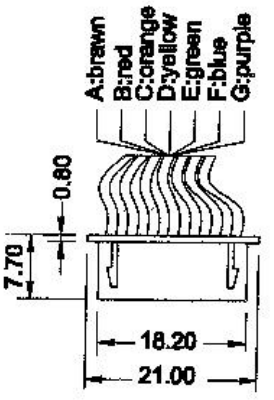
Dot (●) indicates terminal to common (D) connection.

1. WITHOUT WIRE

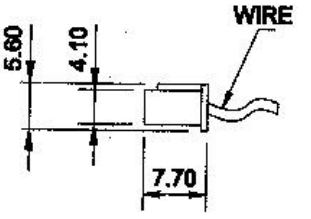


2. WITH WIRE

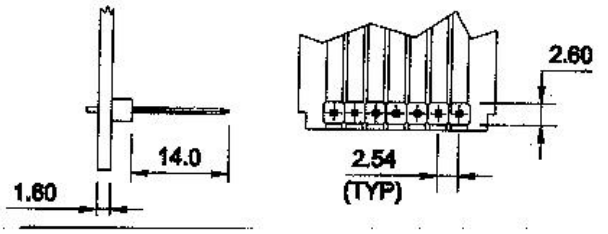
CONNECTOR-MALE TYPE



CONNECTOR-FEMAL TYPE



3. BERG STICK TYPE



The switch can be ordered as given below, for 24 position can be adjustable to 2 to 24 positions.

ORDERING INFORMATION -

3	2								

No. of Position

02 to 24

Angle of Throw

15 - 15
22 - 22.5
30 - 30

Out Put

B - BCD
G - GREY
C - COMP

Termination

0 - W/O Connector
1 - With Connector w/o wire
2 - Connector(7 pin)with wire-to match with sel.1
3 - Berg Stick Stright

Shaft Dia

1 - ø 6.0
2 - ø 6.35

*C - COMP= Complementary

integral
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