

P36 series

Low profile rotary code switches

Surface mount or through-hole

Outside the US and the UK, this series is sold as the CR36 series.



- 3 actuator types
- Save board space
- Highly reliable
- Solder and flux sealed, washable

P36				
SERIES	Mounting	Actuators	Codes	Terminals
	(none) Through-hole S Surface mount	1 Screwdriver 3 Spindle 8 Slotted spindle	01 BCD 02 BCD complement 03 Hexadecimal 06 Hexadec. complement	(none) Straight or SMT V Crimped L254 Right angle, spacing 2,54 (.100)

ELECTRICAL SPECIFICATIONS

- Operating voltage : 24 VDC max.
- Contact load, static : 400mA max.
- Contact load, dynamic : 100mA max.
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 100 MΩ min.

MECHANICAL AND THERMAL SPECS

- Torque : 0,7 Ncm min.
- Expected life : 10.000 cycles min.
- Operating temperature : -30°C to +90°C

MATERIALS

- Base : UL94-V0, high temperature thermoplastic
- Cover : stainless steel
- Actuator : PA 4.6 nylon
- Contacts : gold over nickel plated phosphor bronze
- Terminals : tin plated

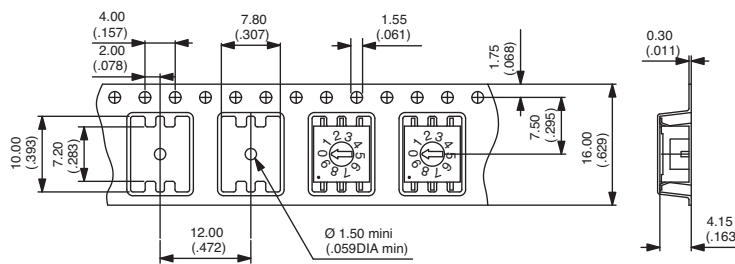
SOLDER RECOMMENDATIONS

(DIN CEI 68-2-20)

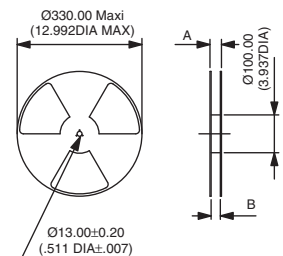
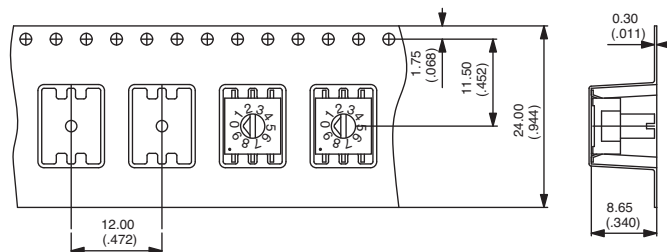
- Manual soldering : 340°C max. for 2 seconds max.
- Wave soldering : 280°C max. for 5 seconds max.
- Reflow soldering : 260°C max. for 10 seconds max.

PACKAGING

P36S1..
1300 pieces per reel
(dim.A = 22,4 mm
dim B = 16,4 mm)



P36S3..
P36S8..
600 pieces per reel
(dim.A = 30,4 mm
dim B = 24,4 mm)



- Reels : see above. To order a SMT product with tape & reel packaging, add "TR" at the end of its part number.
- Tubes : 50 pieces (through-hole or SMT) per tube.

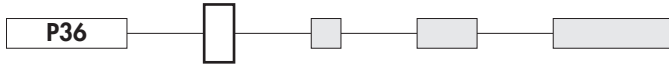
Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.

P36 series

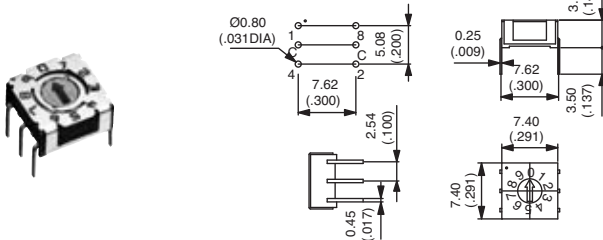
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Surface mount or through-hole

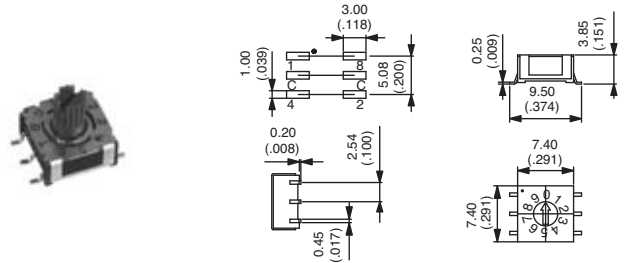
MOUNTING



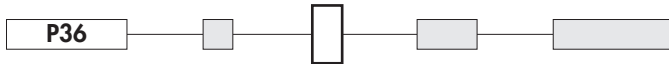
(none) Through-hole



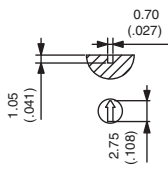
S Surface mount



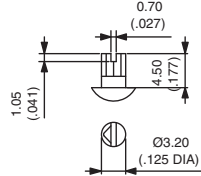
ACTUATORS



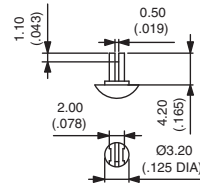
1 Screwdriver



3 Spindle



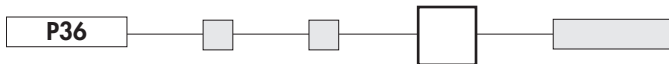
8 Slotted spindle



Actuator colour depending on codes

BCD red
 BCD compl. orange
 Hexadecimal grey
 Hexadec. compl. white

CODES / TRUTH TABLES



01 BCD	
	C 1 2 4 8
0	●
1	● ●
2	● ● ●
3	● ● ● ●
4	● ● ● ● ●
5	● ● ● ● ● ●
6	● ● ● ● ● ● ●
7	● ● ● ● ● ● ● ●
8	● ● ● ● ● ● ● ● ●
9	● ● ● ● ● ● ● ● ● ●

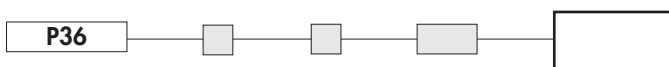
▲ Position ▲ Marking

02 BCD complement	
	C 1 2 4 8
0	● ● ● ● ●
1	● ● ● ● ● ●
2	● ● ● ● ● ● ●
3	● ● ● ● ● ● ● ●
4	● ● ● ● ● ● ● ● ●
5	● ● ● ● ● ● ● ● ● ●
6	● ● ● ● ● ● ● ● ● ● ●
7	● ● ● ● ● ● ● ● ● ● ● ●
8	● ● ● ● ● ● ● ● ● ● ● ● ●
9	● ● ● ● ● ● ● ● ● ● ● ● ● ●

03 Hexadecimal	
	C 1 2 4 8
0	●
1	● ●
2	● ● ●
3	● ● ● ●
4	● ● ● ● ●
5	● ● ● ● ● ●
6	● ● ● ● ● ● ●
7	● ● ● ● ● ● ● ●
8	● ● ● ● ● ● ● ● ●
9	● ● ● ● ● ● ● ● ● ●
10	● ● ● ● ● ● ● ● ● ● ●
11	● ● ● ● ● ● ● ● ● ● ● ●
12	● ● ● ● ● ● ● ● ● ● ● ● ●
13	● ● ● ● ● ● ● ● ● ● ● ● ● ●
14	● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
15	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

06 Hexadecimal complement	
	C 1 2 4 8
0	● ● ● ● ● ●
1	● ● ● ● ● ● ●
2	● ● ● ● ● ● ● ●
3	● ● ● ● ● ● ● ● ●
4	● ● ● ● ● ● ● ● ● ●
5	● ● ● ● ● ● ● ● ● ● ●
6	● ● ● ● ● ● ● ● ● ● ● ●
7	● ● ● ● ● ● ● ● ● ● ● ● ●
8	● ● ● ● ● ● ● ● ● ● ● ● ● ●
9	● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
10	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
11	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
12	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
13	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
14	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
15	● ●

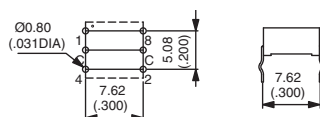
TERMINALS



(none) Straight or SMT



V Crimped



L254 Right angle, spacing 2,54 (.100)

