

In the UK and the USA, this series is sold as the P36 series.

# CR36 series

**New!**

Low profile rotary code switches

Surface mount or through-hole



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

CR36				
<b>SERIES</b>	<b>Mounting</b>	<b>Actuators</b>	<b>Codes</b>	<b>Terminals</b>
	(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

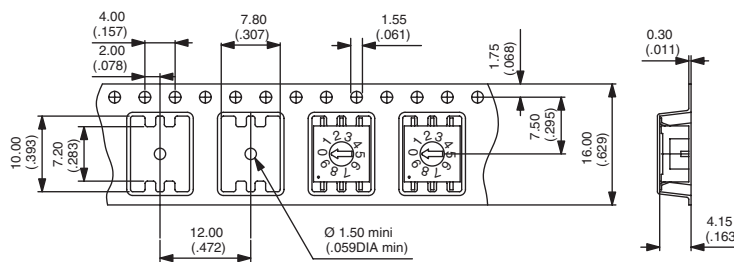
### SOLDER RECOMMENDATIONS

(DIN CEI 68-2-20)

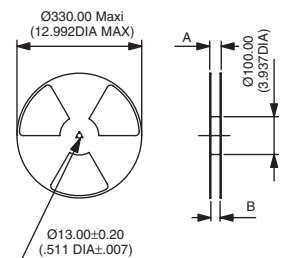
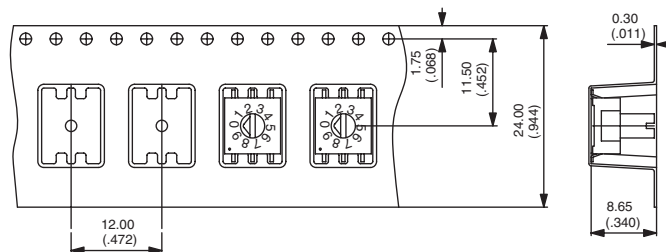
- Manual soldering : 340°C max. for 2 seconds max.
- Wave soldering : 260°C max. for 10 seconds max.
- Reflow soldering : 215°C max. for 40 seconds max.

### PACKAGING

**CR36S1..**  
1200 pieces per reel  
(dim.A = 22,4 mm  
dim B = 16,4 mm)



**CR36S3..**  
**CR36S8..**  
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 "G" 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.

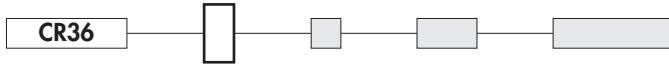
# CR36 series

Low profile rotary code switches

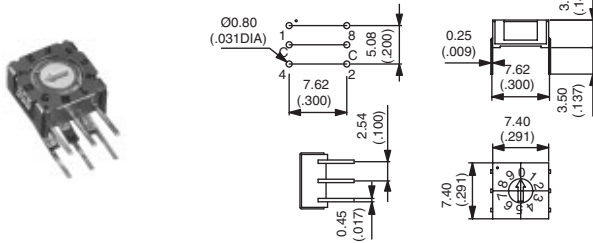
**New!**

Surface mount or through-hole

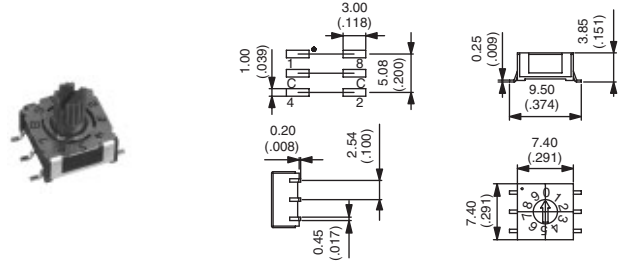
## MOUNTING



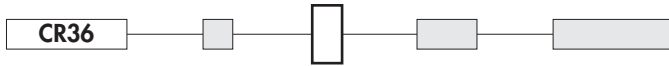
(none) Through-hole



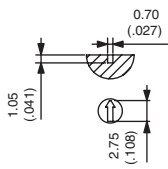
S Surface mount



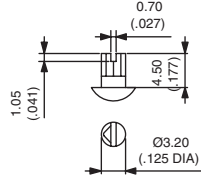
## ACTUATORS



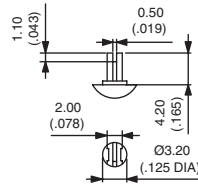
1 Screwdriver



3 Spindle



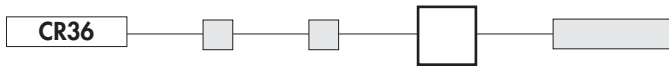
8 Slotted spindle



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	●					0
1	●	●				1
2	●		●			2
3	●	●	●			3
4	●			●		4
5	●	●		●		5
6	●		●	●		6
7	●	●	●	●		7
8	●				●	8
9	●	●			●	9

▲ Position      ▲ Marking

**02 BCD complement**

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

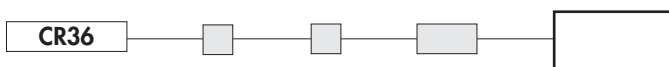
**03 Hexadecimal**

	C	1	2	4	8	
0	●					0
1	●	●				1
2	●		●			2
3	●	●	●			3
4	●			●		4
5	●	●		●		5
6	●		●	●		6
7	●	●	●	●		7
8	●				●	8
9	●	●			●	9
10	●		●		●	A
11	●	●	●		●	B
12	●			●	●	C
13	●	●		●	●	D
14	●		●	●	●	E
15	●	●	●	●	●	F

**06 Hexadecimal complement**

	C	1	2	4	8	
0	●	●	●	●	●	0
1	●		●	●	●	1
2	●	●		●	●	2
3	●		●	●	●	3
4	●	●	●		●	4
5	●		●		●	5
6	●	●		●	●	6
7	●	●			●	7
8	●	●	●	●		8
9	●		●	●		9
10	●	●		●		A
11	●		●		●	B
12	●	●	●		●	C
13	●	●		●	●	D
14	●	●	●	●		E
15	●					F

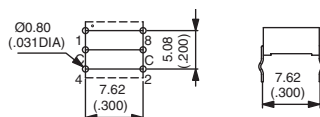
## TERMINALS



(none) Straight or SMT



V Crimped



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

