

# P36 series

## Low profile rotary code switches

Surface mount or through-hole



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

UG1410A-R1

<b>P36</b>				
<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
<ul style="list-style-type: none"> <li>• Operating voltage : 24 VDC max.</li> <li>• Contact load, static : 400mA max.</li> <li>• Contact load, dynamic : 100mA max.</li> <li>• Initial contact resistance : 100 mΩ max.</li> <li>• Insulation resistance : 100 MΩ min.</li> </ul>

MECHANICAL AND THERMAL SPECS
<ul style="list-style-type: none"> <li>• Torque : 0,7 Ncm min.</li> <li>• Expected life : 10.000 cycles min.</li> <li>• Operating temperature : -30°C to +90°C</li> </ul>

MATERIALS
<ul style="list-style-type: none"> <li>• Base : UL94-V0, high temperature thermoplastic</li> <li>• Cover : stainless steel</li> <li>• Actuator : PA 4.6 nylon</li> <li>• Contacts : gold over nickel plated phosphor bronze</li> <li>• Terminals : tin plated</li> </ul>

SOLDER RECOMMENDATIONS
(DIN CEI 68-2-20)
<ul style="list-style-type: none"> <li>• Manual soldering : 340°C max. for 2 seconds max.</li> <li>• Wave soldering : 280°C max. for 5 seconds max.</li> <li>• Reflow soldering : 260°C max. for 10 seconds max.</li> </ul>

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PACKAGING		
<p><b>P36S1..</b> 1300 pieces per reel (dim.A = 22,4 mm dim B = 16,4 mm)</p>		
<p><b>P36S3..</b> <b>P36S8..</b> 600 pieces per reel (dim.A = 30,4 mm dim B = 24,4 mm)</p>		

- 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.

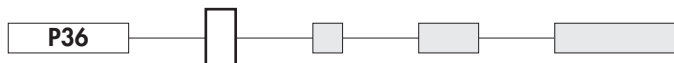
The company reserves the right to change specifications without notice.

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## MOUNTING



(none) Through-hole

S Surface mount

## ACTUATORS



1 Screwdriver

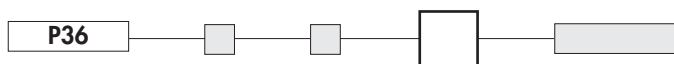
3 Spindle

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

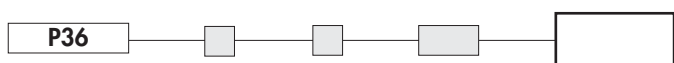
03 Hexadecimal

	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)