

date 05/30/2023

page 1 of 7

SERIES: RDS4-1065-D-67 | DESCRIPTION: ROTARY DIP SWITCH

FEATURES

- 4, 8, 10, 16 positions
- through hole
- IP67







SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	switching non-switching			42 42	Vdc Vdc
rated current	switching non-switching			150 200	mA mA
withstanding voltage	for 1 minute		250		Vac
contact resistance				80	mΩ
insulation resistance	for 1 minute at 250 Vdc	100			ΜΩ
operating torque				700	gf*cm
actuator travel	continuous rotation		360		degrees
operating temperature		-40		85	°C
storage temperature		-40		85	°C
life	at 42 Vdc, 150 mA, 15~20 cycles/minute		10,000		steps
flammability rating	see material tables				
RoHS	yes				
IP level	IP67				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			260	°C

PART NUMBER KEY

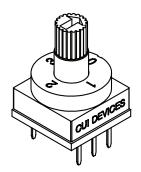
RDS4 - XXS - 1065 - 73 - D - 67

Base Number

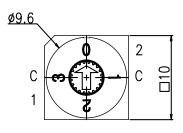
No. of Positions:
4 = 4 Positions
8 = 8 Positions
10 = 10 Positions
16 = 16 Positions

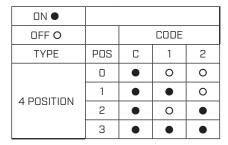
MECHANICAL DRAWING (4 POSITION)

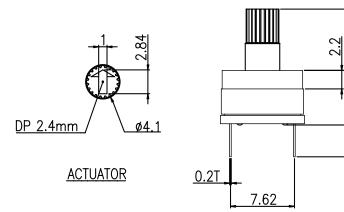
units: mm tolerance: ±0.3 mm unless otherwise specified

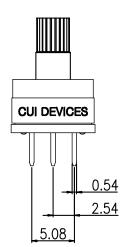


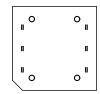
DESCRIPTION	MATERIAL	PLATING/COLOR
actuator	POM (UL94HB)	gray
cover	PA66 (UL94V-0)	light white
base	PA66 (UL94V-0)	black
terminals	phosphorus bronze	Ni/Au

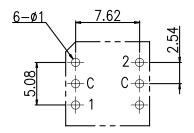












Recommended PCB Layout Top View

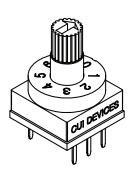
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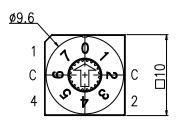
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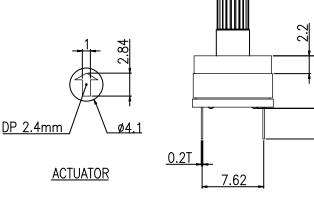
MECHANICAL DRAWING (8 POSITION)

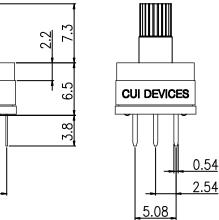
units: mm tolerance: ±0.3 mm unless otherwise specified



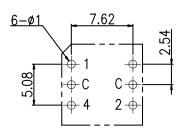
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base	PA66 (UL94V-0)	black
terminals	phosphorus bronze	Ni/Au







□N ●					
OFF O		CODE			
TYPE	POS	С	1	2	4
	0	•	0	0	0
	1	•	•	0	0
	2	•	0	•	0
	3	•	•	•	0
8 POSITION	4	•	0	0	•
	5	•	•	0	•
	6	•	0	•	•
	7	•	•	•	•

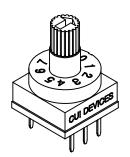


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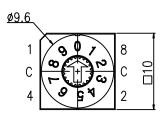
Recommended PCB Layout Top View

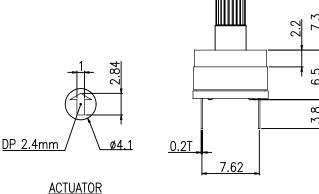
MECHANICAL DRAWING (10 POSITION)

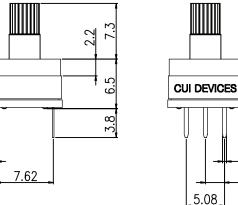
units: mm tolerance: ±0.3 mm unless otherwise specified



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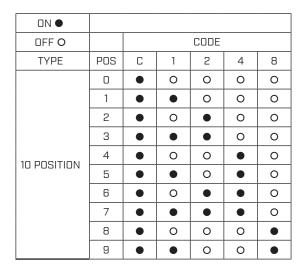


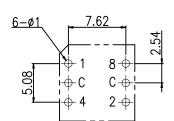




0.54

2.54





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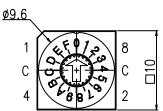
Recommended PCB Layout Top View

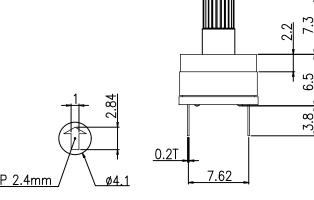
MECHANICAL DRAWING (16 POSITION)

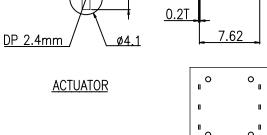
units: mm tolerance: ±0.3 mm unless otherwise specified

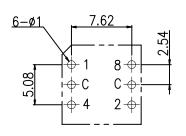
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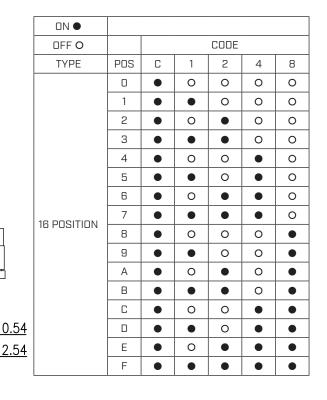








Recommended PCB Layout Top View



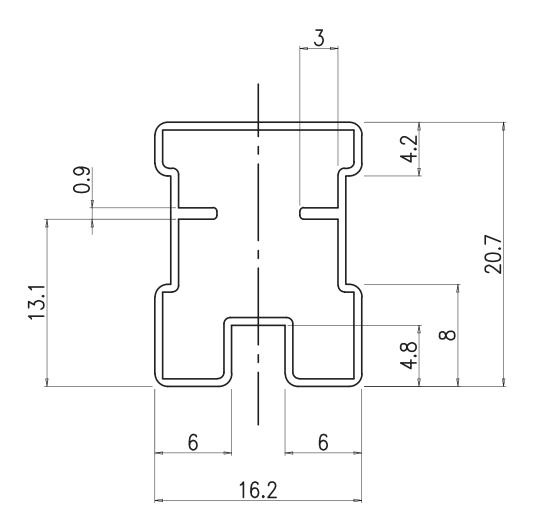
CUI DEVICES

5.08

PACKAGING

units: mm

Tube Size: $20.7 \times 16.2 \times 540 \text{ mm}$ Tube QTY: 50 pcs per tube



REVISION HISTORY

rev.	description	date
1.0	initial release	05/30/2023

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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