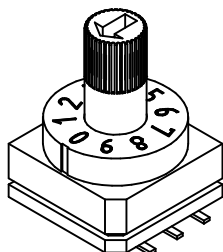
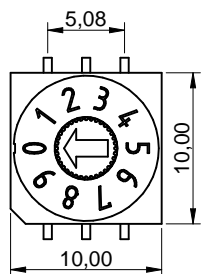


RECOMMENDED LAYOUT



## TECHNICAL CHARACTERISTICS

### SPECIFICATION

- >**Contact Rating:**
  - Switching: 150mA, 24VDC
  - Non-Switching: 400mA, 24VDC
- >**Contact Resistance:**
  - Initial: 80mOHM max.
  - After Life Test: 200mOHM max.
- >**Insulation Resistance:** min. 100MOHM at 250VDC
- >**Dielectric Strength:** 250VAC for 1 minute
- >**Operating Force:** 700g max.
- >**Life cycle:** 10.000 steps
- >**Position:** 10
- >**Actuator:** Shaft type

### MATERIAL

- >**Cover:** LCP UL 94V-0, color grey
- >**Base:** LCP UL 94V-0, color grey
- >**Actuator:** LCP UL 94V-0
- >**Contact:** Gold Plated
- >**Terminal:** Gold Plated

### SOLDERING INFORMATION

- >**Terminal in SMD version**
- >**Reflow soldering according to JEDEC J-STD 020 Hot Air**

### WASHABLE DEFINITION

Please do not submerge washable products into water or cleaning agents or put them in locations exposed to water or liquids completely. When cleaning by hand (brushing), please do not use excessive force on our switch to avoid malfunction afterwards, because you could deform function relevant areas or you could damage sealing functions. Do not clean washable series immediately after soldering. The cleaning agent may be absorbed into the switch through respiration while the switch cools.

### ENVIRONMENTAL

- >**Storage condition:** -40°C ~ +85°C
- >**Operation condition:** -40°C ~ +85°C
- >**Compliance:** Lead Free, ROHS, Reach

### PACKAGING INFORMATION

Part number	Color of Actuator	Position	Code
428 521 420 910	light grey	10	Real Code
428 521 420 911	blue	10	complement code

		Real Code				
		C	1	2	4	8
10 Position	0	•				0
	1	•	•			1
	2	•		•		2
	3	•		•	•	3
	4	•	•		•	4
	5	•	•	•		5
	6	•	•		•	6
	7	•	•	•	•	7
	8	•			•	8
	9	•	•		•	9

		Complement Code				
		C	1	2	4	8
10 Position	0	•	•	•	•	0
	1	•	•	•	•	1
	2	•	•	•	•	2
	3	•			•	3
	4	•	•		•	4
	5	•	•	•	•	5
	6	•	•		•	6
	7	•			•	7
	8	•	•	•	•	8
	9	•	•	•	•	9

Scale - 2:1

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Wurth Elektronik must be asked for a written approval.

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

				<b>GENERAL TOLERANCE</b> .x = +/- 0,2 .xx = +/- 0,15		Basic material	
				Date	Name	DESCRIPTION	
				Drawn 09-11-06	Jelisarow	WS-ROSV Rotary Switch 10x10mm, 10 position, SMD version	
e		revised MatchCode	14-07-25	AL	Checked 09-11-06	Hsu	
d		Washable Definition	14-03-05	DaF			
c		from PA66 change to LCP	13-05-22	DaF			
b		new contact rating	12-02-02	WJ	Würth Elektronik eiCan		Scale 2:1
a		warning text	11-09-30	WJ			Position
REV		FILE	DATE	BY	EDV NO 42852142091x.dft		SIZE
						Drawing.- No. 42852142091x	
						System :Solid Edge V20	
						A4	