



RECOMMENDED LAYOUT

## TECHNICAL CHARACTERISTICS

### SPECIFICATION

>Contact Rating:	150mA, 24VDC 400mA, 24VDC
Switching:	80mOHM max.
Non-Switching:	200mOHM max.
>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:	Cross type

### MATERIAL

>Cover:	PA66 UL 94V-0, color light grey
>Base:	PA66 UL 94V-0, color black
>Actuator:	POM UL HB
>Contact:	Gold Plated
>Terminal:	Gold Plated

### SOLDERING INFORMATION

>Terminal in THT version
>Wave soldering at 260°C for 10 sec. max
>Hand soldering at 350°C for 3 sec. max

### 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: ROHS, Reach

### PACKAGING INFORMATION

#### >Tube

Part number	Color of Actuator	Position	Code
428 427 520 910	dark grey	10	Real Code
428 427 520 911	ivory	10	Complement Code

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

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

Scale - 2:1

WÜRTH ELEKTRONIK		Projection	GENERAL TOLERANCE			Basic material		
			x = +/- 0,2	xx = +/- 0,15				
			Drawn	12-03-13	Jelisarow	DESCRIPTION		
			Checked	12-03-13	Hsu			
b	revised MatchCode	14-07-25	AL	Würth Elektronik eiCan CAD			Scale	2:1
a	Washable Definition	05-03-14	DaF				Position	
REV	FILE	DATE	BY	EDV NO	42842752091x.dft		SIZE	
								A4
								System :Solid Edge V20

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.