



RECOMMENDED LAYOUT

Scale - 2:1

## TECHNICAL CHARACTERISTICS

### SPECIFICATION

#### >Contact Rating:

150mA, 24VDC  
400mA, 24VDC

#### >Contact Resistance:

80mOHM max.  
200mOHM max.

#### >Insulation Resistance:

min. 100MOHM at 250VDC

#### >Dielectric Strength:

250VAC for 1 minute

#### >Operating Force:

700g max.

#### >Life cycle:

10.000 steps

#### >Position:

16

#### >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
429 427 520 916	dark grey	16	Real Code
429 427 520 917	ivory	16	Complement Code

Real Code							
1	C	1	2	4	8	16	Position
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	

Complement Code							
1	C	1	2	4	8	16	Position
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	

GENERAL TOLERANCE		Basic material		DESCRIPTION
x = +/- 0.2	xx = +/- 0.15	Date	Name	
		Drawn	12-09-12	Jelisarow
		Checked	12-09-12	Hsu
				WS-ROTU 10x10mm right angle rotary Switch, 16 position, THT version
b	revised MatchCode	14-07-25	AL	Würth Elektronik eiCan CAD
a	Washable Definition	14-03-06	DaF	Scale 2:1
REV	FILE	DATE	BY	Position
				SIZE
				A4
				Drawing.- No. 42942752091x
				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.