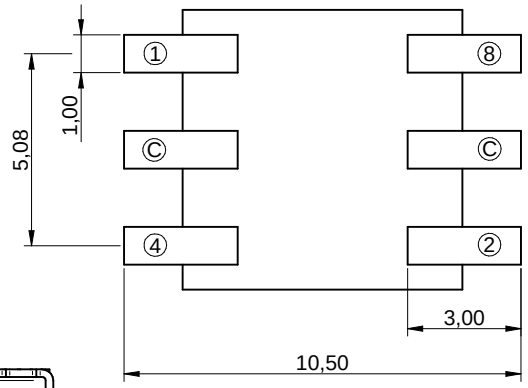
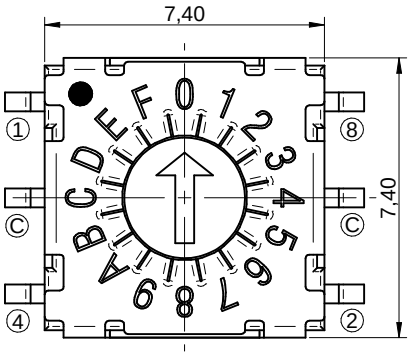
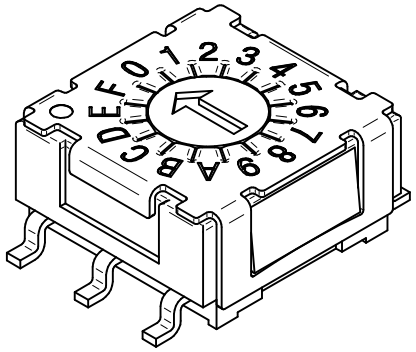




RECOMMENDED LAYOUT





Scale - 5:1

TECHNICAL CHARACTERISTICS

SPECIFICATION

>Contact Rating:
Switching: 100mA, 42VDC
Non-Switching: 400mA, 42VDC
>Contact Resistance:
Initial: 80mOHM max.
After Life Test: 200mOHM max.
>Insulation Resistance: min. 100MOHM at 250VDC
>Dielectric Strength: 250VAC for 1 minute
>Operating Force: 120g ± 30g
>Life cycle: 25.000 steps
>Position: 16
>Actuator: Arrow type

MATERIAL

>Cover: Stainless Steel
>Base: LCP UL 94V-0, color black
>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 submerse 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: -60°C ~ +125°C
>Operation condition: -60°C ~ +125°C
>Compliance: Lead Free, ROHS

PACKAGING INFORMATION

>Tape & Reel

Part number	Color of Actuator	Position	Code
428 542 320 816	grey	16	Real Code
428 542 320 817	ivory	16	Complement Code

16 Position — Real Code

	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

16 Position — Complement Code

	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

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.

REV	FILE	DATE	BY
d	revised MatchCode	14-07-25	AL
c	Washable Definition	14-03-06	DaF
b	warning text	11-09-30	WJ
a	NEW P/N	11-03-28	WJ

WÜRTH ELEKTRONIK

Projection

GENERAL TOLERANCE
.x = +/- 0,2
.xx = +/- 0,15

	Date	Name
Drawn	10-12-15	Jelisarow
Checked	10-12-15	Hsu

WE eiCan CAD — Würth Elektronik eiCan

EDV NO 42854232081x.dft

Basic material

DESCRIPTION

WS-ROSV_7,0 x 7,0 mm Rotary Switch, 16 position, SMD version

Scale 5:1 | Position | SIZE A4

Drawing.- No. 42854232081x

System :Solid Edge V20