

528 CODIERSCHALTER

ROTARY CODED SWITCHES

528



528

AUSFÜHRUNG

- + Miniatur-Drehcodierschalter mit BCD-, Hexa-, Gray- oder Komplementärkode
- + 4, 8, 10 oder 16 Schaltstellungen
- + Horizontale oder vertikale Betätigung
Optional: Verschiedene Achs- und Knopfvarianten

ANSCHLÜSSE

SMD- oder THT- Ausführung

ABMESSUNGEN

Vertikal: 7,2 x 7,1 x 3,7 mm
 Horizontal: 7,2 x 7,1 x 8 mm

CONSTRUCTION

- + Miniature rotary code switch with BCD hex, gray or complementary code
- + 4, 8, 10 or 16 positions
- + Operated horizontally or vertically
Optional: multiple shaft and button designs

PINING

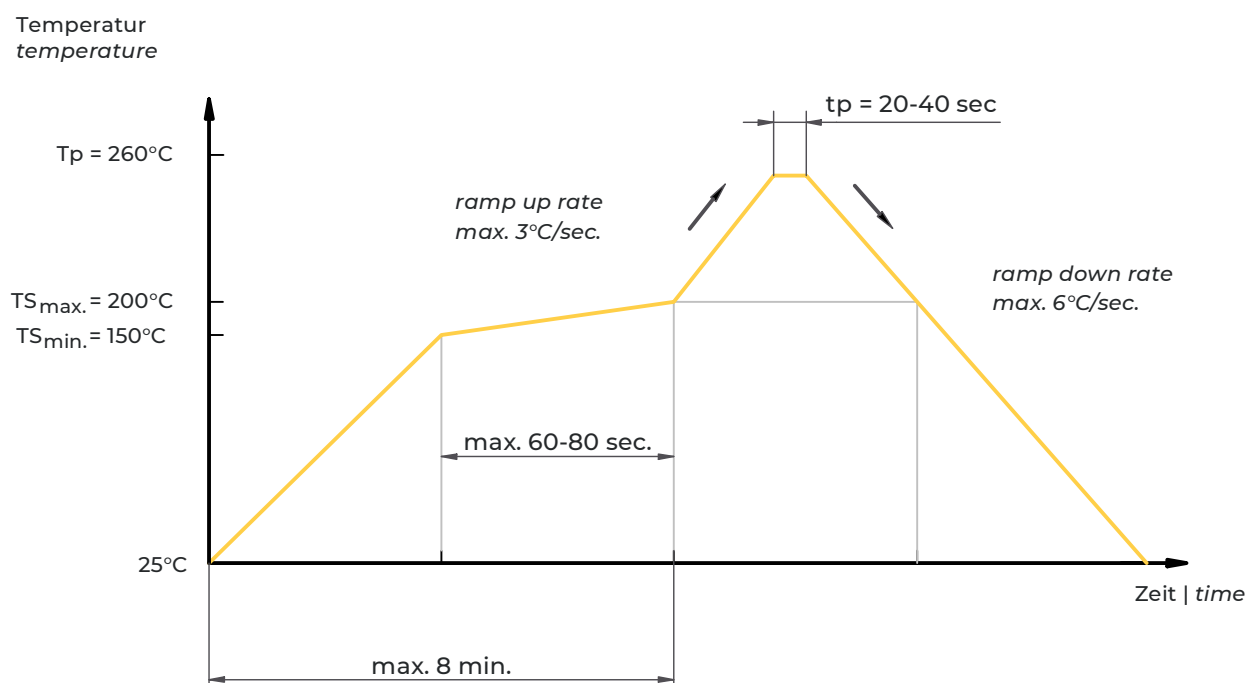
SMD or THT design

DIMENSIONS

Vertical: 7.2 x 7.1 x 3.7 mm
 Horizontal: 7.2 x 7.1 x 8 mm

AUSFÜHRUNG CONSTRUCTION	Schaltweise Anschlußmaße Abmessungen	Break before make (bbm) See drawing See drawing	Function Pitch Outline Dimensions
ISOLIERWERKSTOFFE INSULATION MATERIAL	Gehäuse Kontaktträger Betätiger	Stainless steel Thermoplastic-UL-94-V0 Thermoplastic-UL-94-V0	Housing Contact Body Actuator
KONTAKTWERKSTOFFE CONTACT MATERIAL	Festkontakte Schaltkontakte Lötanschlüsse (Standard) Lötanschlüsse Whiskerfrei	CuSn6 gal. Ni Au1 CuBe gal. Ni1 Au1 CuSn6 gal. Ni1 Sn4 CuSn6 gal. Ni1 Au0.1 (flash)	Fixed Contacts Sliding Contacts Pins lead-free (standard) Pins whisker-free
ELEKTRISCHE DATEN ELECTRICAL DATA	Schaltspannung Schaltstrom Übergangswiderstand Isolierwiderstand	Max. 30 V Max. 100 mA < 100 mOhm > 100 MOhm	Switching Voltage Switching Current Contact Resistance Insulation Resistance
MECHANISCHE DATEN MECHANICAL DATA	Lebensdauer Betriebstemperatur Lagertemperatur Betätigungsmoment Dichtheit nach DIN 40050	see code chart -50 °C to +125 °C -55 °C to +135 °C 1.5 Ncm ± 0.3 Ncm IP67	Life Expectancy Operating Temperature Storage Temperature Operating Torque Process seal acc. DIN 40050
LÖTBEDINGUNGEN/ART SOLDERING TIME / CONDITIONS	SMD THT	acc. to IPC/JEDEC J-STD-020D Tab. 4-2 (max. peak temperature +260°) JESD22-B106D/single wave	SMD THT

Empfohlene Reflow Temperaturkurve recommended reflow temperature profile



5

5	2	8	-							1	5	0
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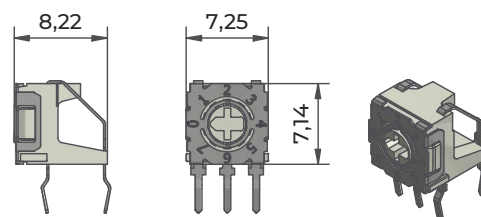
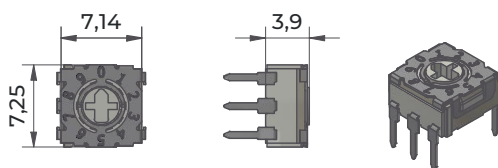
2

6

5	2	8	-							1	5	0
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1

2



7

5	2	8	-								1	5	0
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[illegible]

A number line from 0 to 1000. A yellow box highlights the range from 800 to 900. The number 8 is above the 800 mark and 9 is above the 900 mark. The number line is labeled with 5, 2, 8, -, and 1, 5, 0.

05

Bei diesen Varianten im Feld 'Achsfarbe' eine '0' eintragen / *By this variants enter a '0' in the field 'shaft color'*

10

[illegible]

Bei diesen Varianten im Feld 'Achsfarbe' eine '0' eintragen / *By this variants enter a '0' in the field 'shaft color'*

18

[illegible]

Achse lose beigestellt
shaft delivered seperatly

4

[illegible]

1

2

Technical drawing of a rectangular base with a central raised area. Dimensions: 0,6x0,8 (2x) for the central area, 10 for the base width, and 3,85 for the base height.

3

Technical drawing of a square floor drain cover. The drawing shows a top-down view of the cover with a central square opening. Dimensions are indicated: the overall width is 0,8x0,8 (2x), the width of the central opening is 7,5, and the height of the cover is 3,95.

[illegible]

2

4

5

Technical drawing of a 2x2x2 cube assembly. The drawing includes three views: a side view, a top view, and a bottom view. Dimensions are provided for various parts and assembly steps.

- Side View Dimensions:**
 - Top edge: $7,8 \pm 0,10$
 - Bottom edge: $1 \pm 0,1$
 - Left edge: $0,2 \pm 0,20$
 - Bottom-left corner: $2,9 \pm 0,05$
 - Bottom-right corner: $2,8 \pm 0,05$
- Top View Dimensions:**
 - Center hole diameter: $\varnothing 0,7 \pm 0,05 (2x)$
 - Distance from center to hole: $8,1 \pm 0,05$
- Bottom View Dimensions:**
 - Bottom hole diameter: $\varnothing 3,4^{+0,10}$
- Assembly Instructions:**
 - pick&place* (indicated by an arrow pointing to the bottom hole)

Technical drawing of a mechanical part with dimensions:

- Top horizontal dimensions: 1,8, 4,5, 1,8, 1,6 (5x)
- Left vertical dimensions: 1,4, 8,1, 2,9
- Right vertical dimensions: 8, 5,08
- Internal features: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
- Bottom horizontal dimensions: 2,9, 4, 2, Ø0,8 (2x)

5

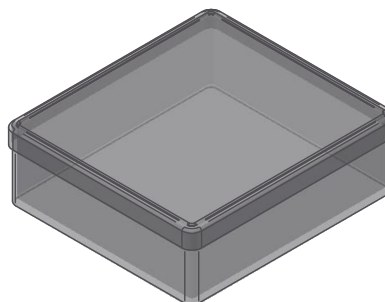
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[illegible]

- 15

5	2	8	-							1	5	0
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- Abmessungen | *dimensions:* 111 x 101 x 36mm
max. Stückzahl | *max. number of pieces:* 250 Stück | *pieces*



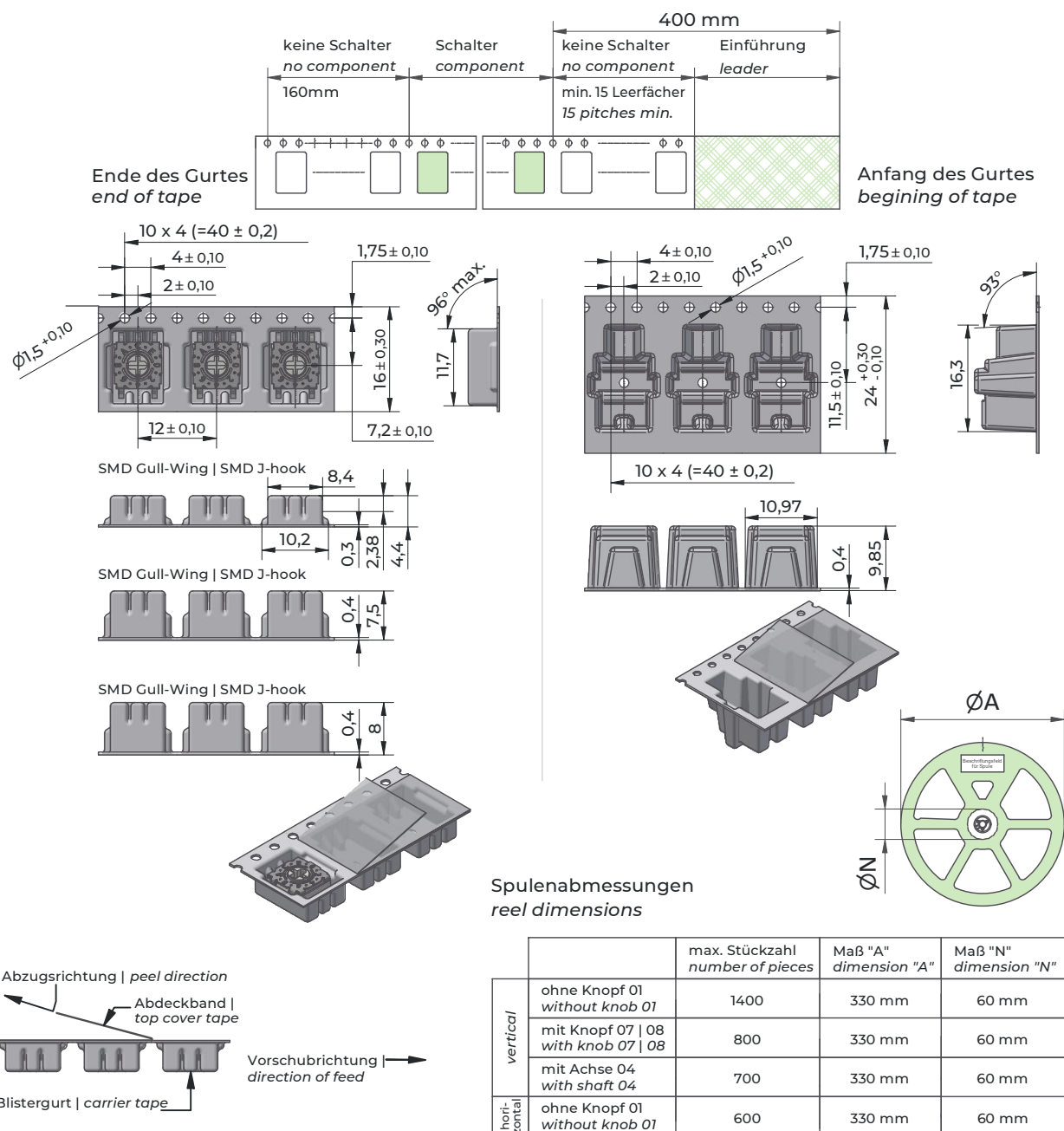
WERKSTOFFE MATERIALS	Blistergurt	PET or PS	Embossed tape
	Abdeckband	PET	Reel
	Zugkraft	min. 10 N	Embossed tape pull strength
ABDECKBAND TOP COVER TAPE	Abzugswinkel	165° - 180°	Peel - off angle
	Abzugsgeschwindigkeit	300 mm / min.	Peel - off speed
	Abzugskraft	0.1 - 0.7 N	Peel - off force

Pos. 15 VERPACKUNG | PACKAGING

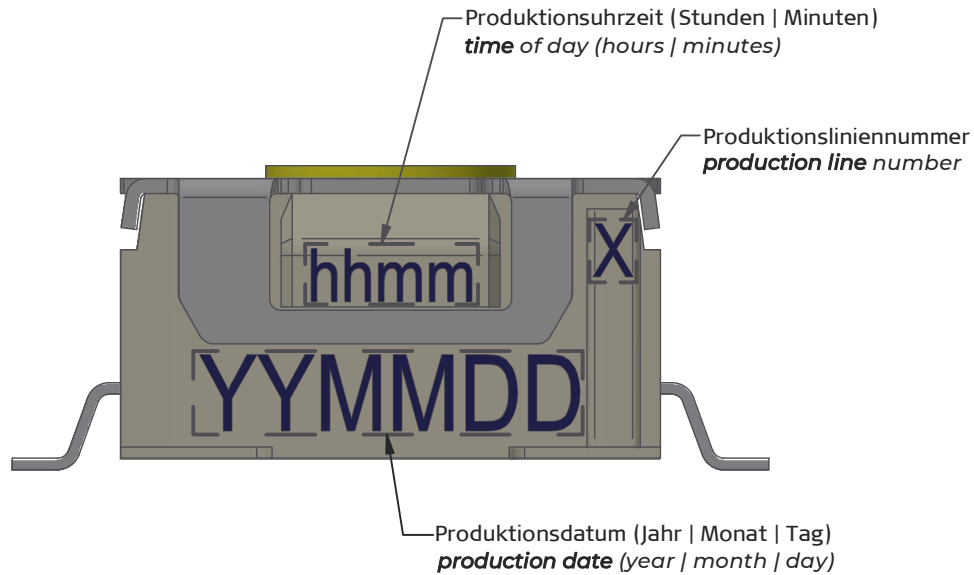
15

2

Gurt | *embossed tape*
Blistergurtabmessungen | *embossed tape dimensions*



AUFSCHLÜSSELUNG DATECODE | CLASSIFICATION DATECODE



Anschrift | Address

Firma: Company:	Datum: Date:
Adresse: Address:	Tel.: Phone:
Name: Name:	Fax: Fax:
Kundenr.: Customer No.:	E-Mail: E-Mail:

Bestellschlüssel | ordering code

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	5	2	8	-								1	5	0	
Art der Verzinnung type of plating															
Schalterausführung switch version															
Kodierung code															
Achs oder Knopf Ausführung shaft or knob version															
Anschlussart terminal design															
Achsfarbe shaft colour															
Verpackung packaging															

Muster und 3D-Daten | Samples and 3D Data

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