

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

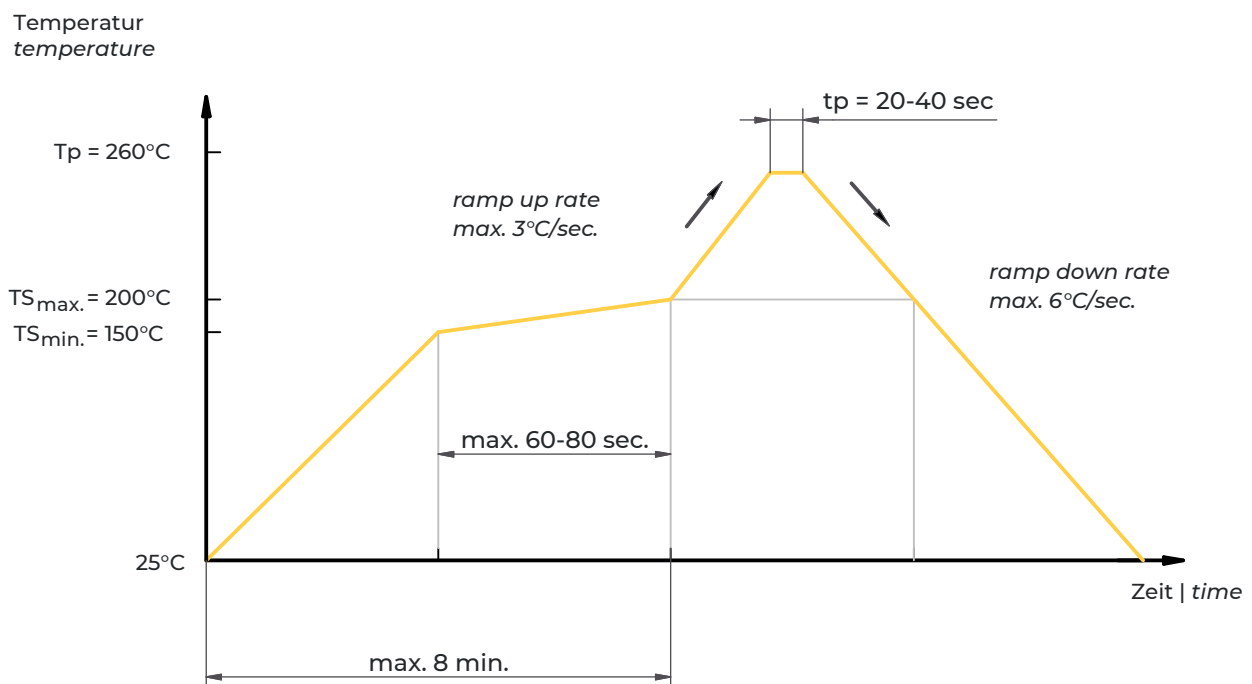
DIMENSIONS

Vertical: 7.2 x 7.1 x 3.7 mm

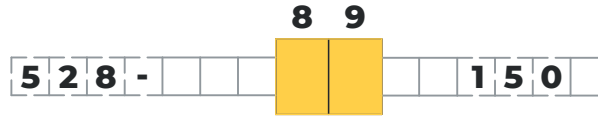
Horizontal: 7.2 x 7.1 x 8 mm

AUSFÜHRUNG CONSTRUCTION	Schaltweise Anschlußmaße Abmessungen	Breake 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

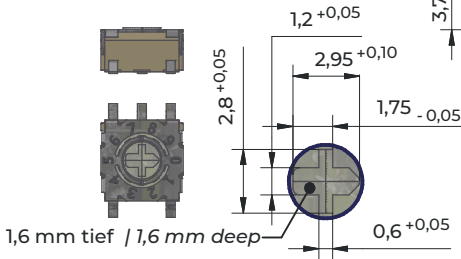


Pos. 8 | 9 ACHS ODER KNOPFAUSFÜHRUNG | SHAFT OR KNOB VERSION

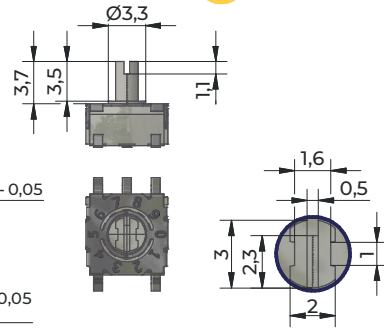


01

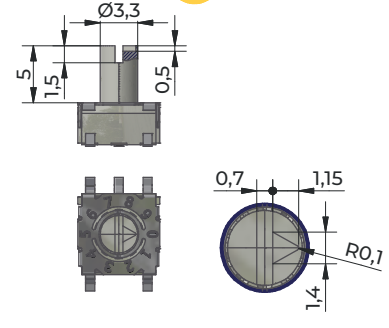
ohne Achse / Knopf
without knob / shaft



04



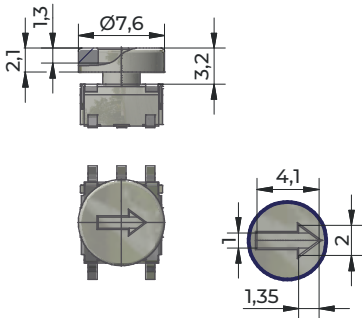
05



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

07

Knopf mit Schlitz unbedruckt
knob with slot without printing



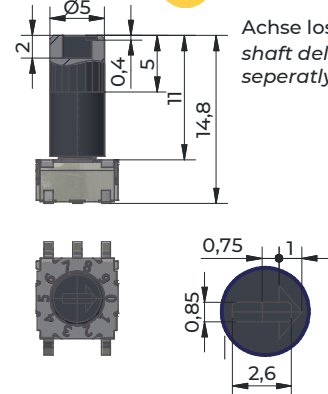
08

Knopf mit Schlitz bedruckt
knob with slot with printing



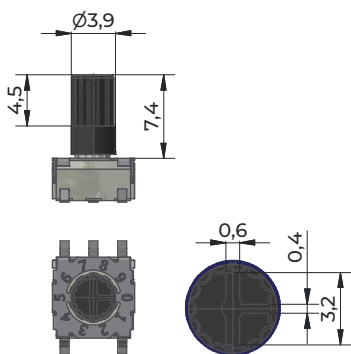
10

Achse lose beigestellt
shaft delivered separatly

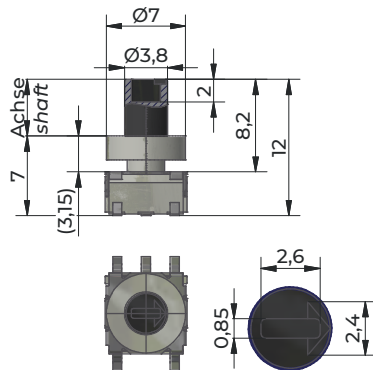


Bei diesen Varianten im Feld 'Achsfarbe' eine '0' eintragen / By this variants enter a '0' in the field 'shaft color'

11

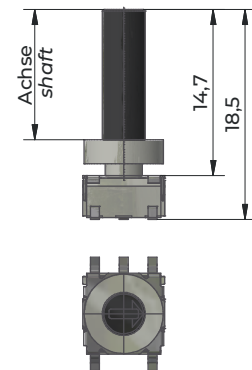


12



Achse lose beigestellt
shaft delivered separatly

18



Achse lose beigestellt
shaft delivered separatly

Achsausführung 11, 12 und 18 sind nicht in horizontaler Schalterausführung lieferbar.
Shafts no. 11, 12 and 18 are not available in horizontal switch version.

Pos. 10 ANSCHLUSSART | TERMINAL DESIGN

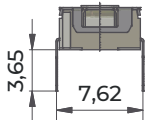


528

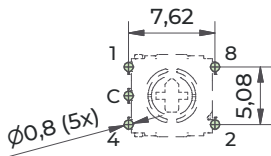
Schalterausführung 1 | switch version 1

1

THT Pin
THT pin

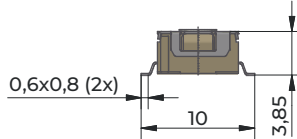


Leiterplattenlochbild (Bauteilseite)
drilling matrix (component side)

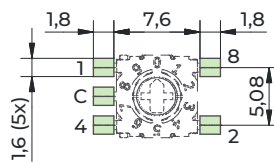


2

SMD: Gull-wing
SMD: Gull-wing



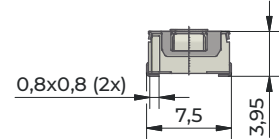
Löt-Pad-Anordnung
SMD soldering pad



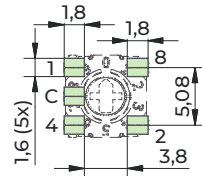
Koplanarität der Pins 0,1mm
Coplanarity of the Pins 0,1mm

3

SMD: J-hook
SMD: J-hook



Löt-Pad-Anordnung
SMD soldering pad

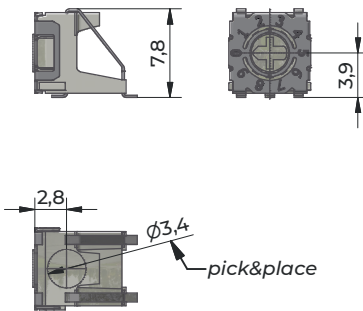


Koplanarität der Pins 0,1mm
Coplanarity of the Pins 0,1mm

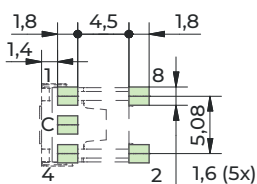
Schalterausführung 2 | switch version 2

2

SMD: Gull-wing
SMD: Gull-wing



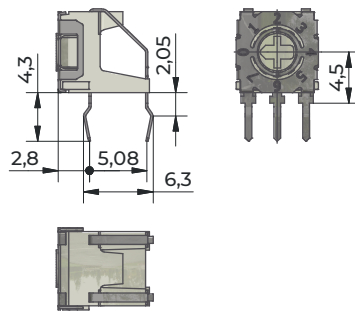
Löt-Pad-Anordnung
SMD soldering pad



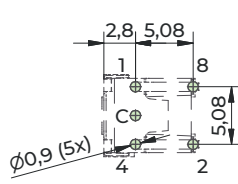
Koplanarität der Pins 0,1mm
Coplanarity of the Pins 0,1mm

4

THT: Snap-in
THT: Snap-in



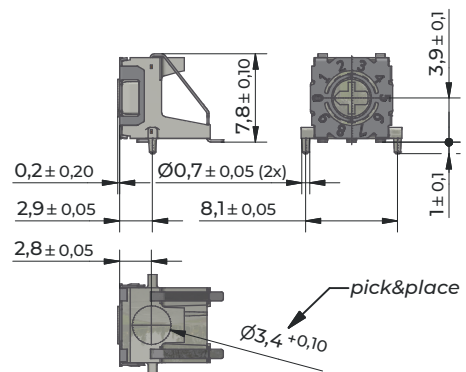
Leiterplattenlochbild (Bauteilseite)
drilling matrix (component side)



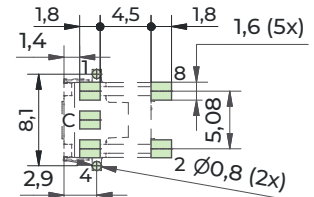
Koplanarität der Pins 0,1mm
Coplanarity of the Pins 0,1mm

5

SMD: Gull-wing mit Zapfen
SMD: Gull-wing with pivots



Löt-Pad-Anordnung
SMD soldering pad



Koplanarität der Pins 0,1mm
Coplanarity of the Pins 0,1mm

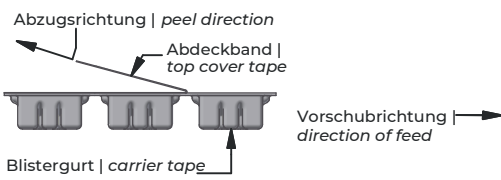
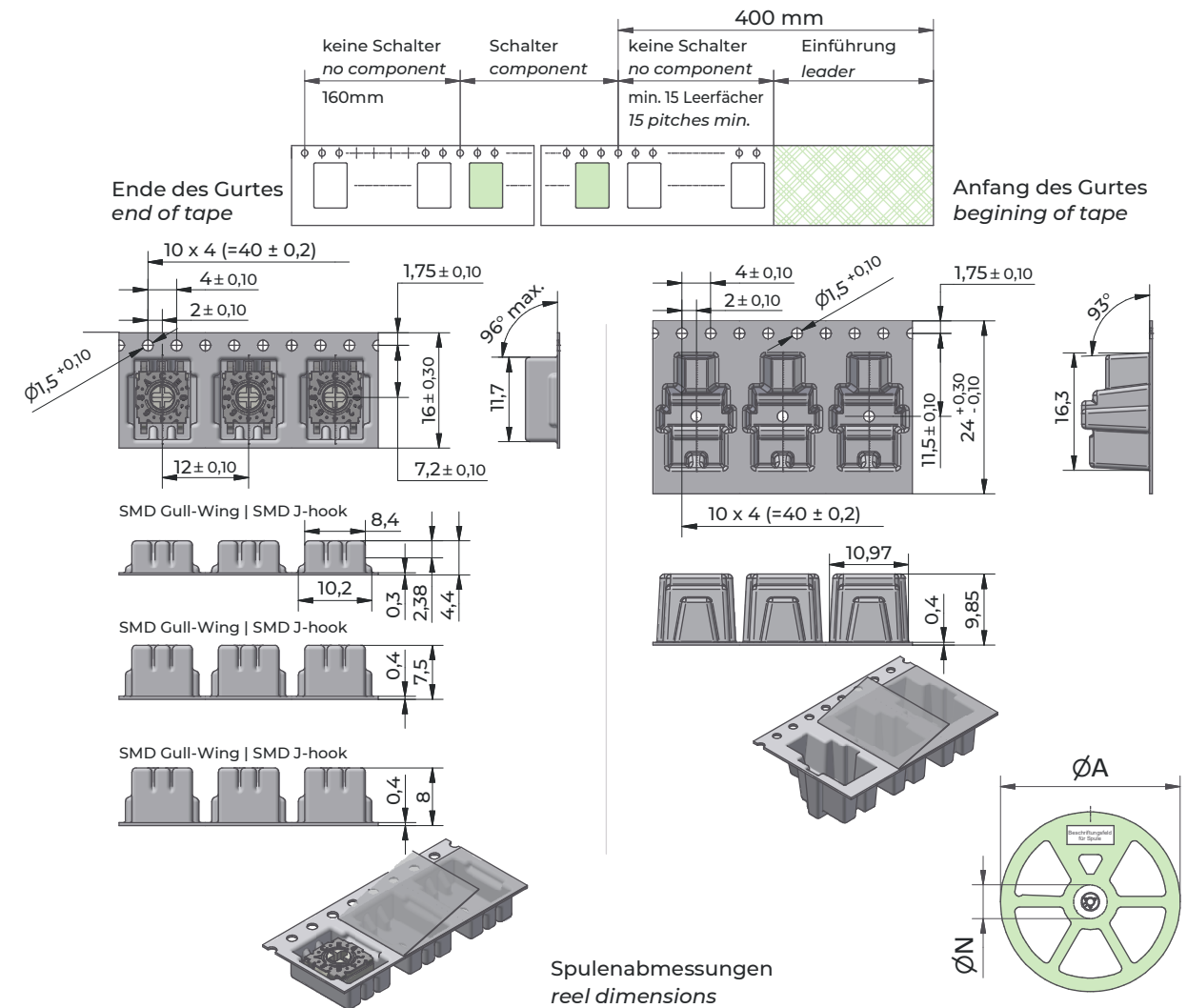
WERKSTOFFE MATERIALS	Blistergurt	PET or PS	Embossed tape
	Abdeckband	PET	Reel
	Zugkraft	min. 10 N	Embossed tape pull strength
ABDECKBAND TOP COVER TAPE	Abzugswinkel	165° - 180°	Peel - off angle
	Abzugsgeschwindigkeit	300 mm / min.	Peel - off speed
	Abzugskraft	0.1 - 0.7 N	Peel - off force

Pos. 15 VERPACKUNG | PACKAGING

15



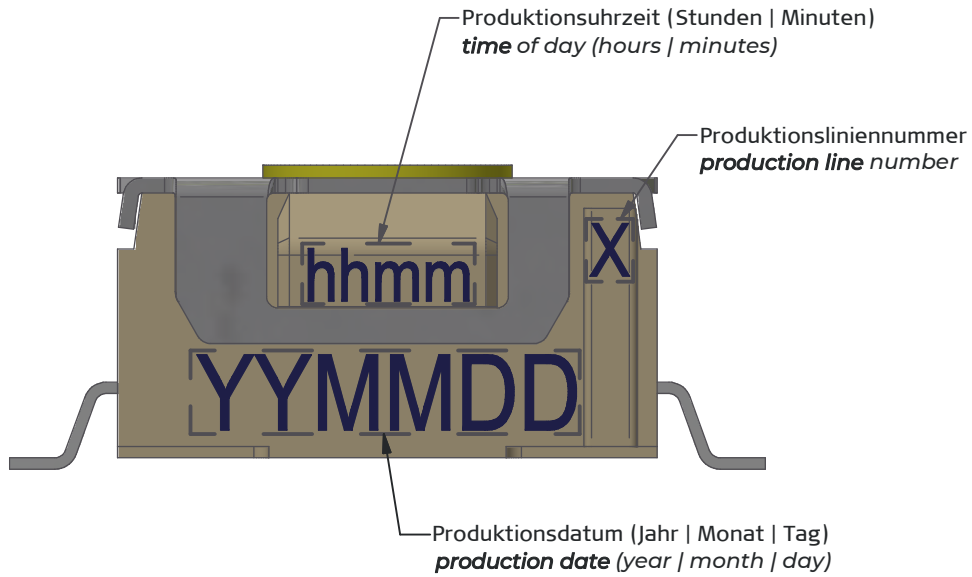
2 Gurt | embossed tape
Blistergurtabmessungen | embossed tape dimensions



Spulenabmessungen
reel dimensions

		max. Stückzahl number of pieces	Maß "A" dimension "A"	Maß "N" dimension "N"
vertical	ohne Knopf 01 without knob 01	1400	330 mm	60 mm
	mit Knopf 07 08 with knob 07 08	800	330 mm	60 mm
	mit Achse 04 with shaft 04	700	330 mm	60 mm
hori- zontal	ohne Knopf 01 without knob 01	600	330 mm	60 mm

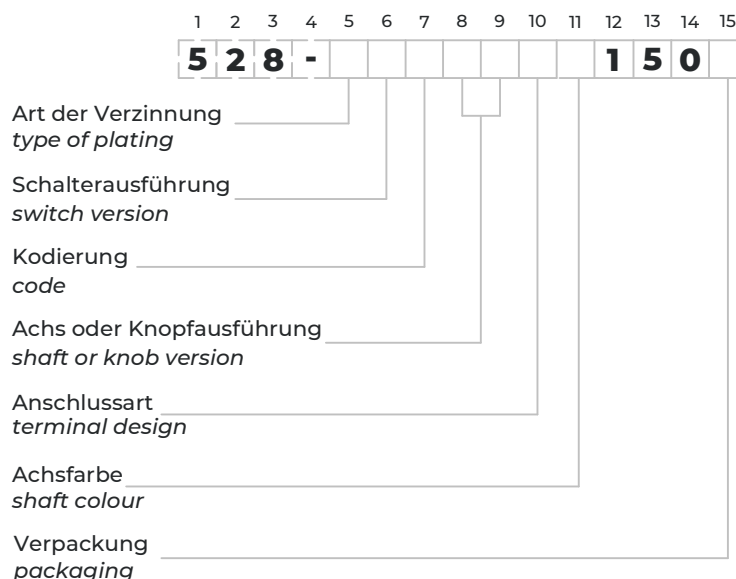
AUFSCHLÜSSELUNG DATECODE | CLASSIFICATION DATECODE



Anschrift | Address

Firma: <i>Company:</i>	_____	Datum: <i>Date:</i>	_____
Adresse: <i>Address:</i>	_____	Tel.: <i>Phone:</i>	_____
Name: <i>Name:</i>	_____	Fax: <i>Fax:</i>	_____
Kundenr.: <i>Customer No.:</i>	_____	E-Mail: <i>E-Mail:</i>	_____

Bestellschlüssel | ordering code



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