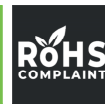
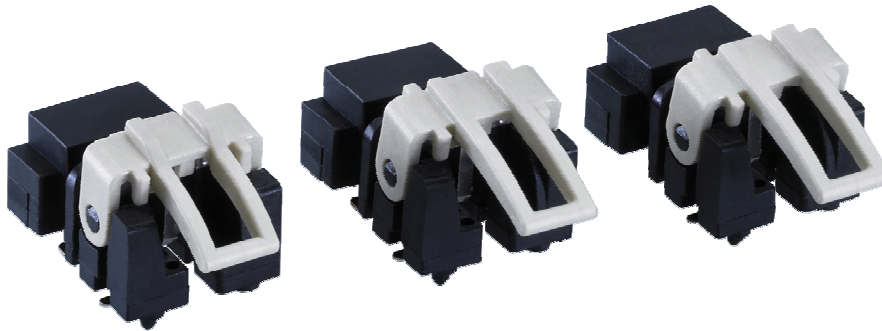


442 KIPPSCHALTER

ANGULAR DETECTOR SWITCH

442



442

AUSFÜHRUNG

- + 1-poliger Miniatur-Umschalter
- + Überragende Lebensdauer
(8 Mio. Betätigungen)
- + Verschiedene Betätigungsvarianten

ANSCHLÜSSE

SMD-Ausführung

ABMESSUNGEN

17,3 x 12,3 x 7,6 mm

CONSTRUCTION

- + Single-pole miniature change-over switch
- + Excellent lifetime
(8 million operations)
- + Various operating methods

PINING

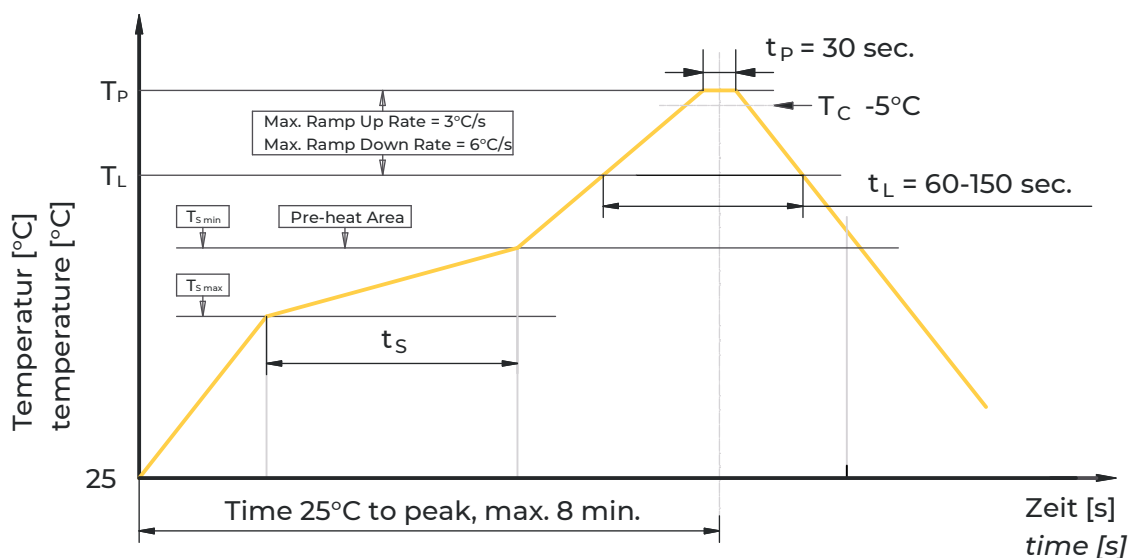
SMD design

DIMENSIONS

17.3 x 12.3 x 7.6 mm

AUSFÜHRUNG CONSTRUCTION	Schaltweise Anschlußmaße Abmessungen	Break before make (bbm) See drawing See drawing	Function Pitch Outline Dimensions
ISOLIERWERKSTOFFE INSULATION MATERIAL	Kontaktträger Betätiger	Thermoplastic-UL-94-V0 Thermoplastic-UL-94-V0	Contact Body Actuator
KONTAKTWERKSTOFFE CONTACT MATERIAL	Festkontakte Schaltkontakte Lötanschlüsse	CuBe gal. Ni1 Au1 CuBe gal. Ni1 Au1 CuBe gal. Ni1 Au flash	Fixed Contacts Sliding Contacts Pins
ELEKTRISCHE DATEN ELECTRICAL DATA	Schaltspannung Schaltstrom max. Schaltleistung Übergangswiderstand (Neuwert) Isolierwiderstand Prellung und Signaleinbruch	Max. 30 VDC / AC Max. 20 mA 0,6 VA < 20 mOhm > 100 MOhm < 6 ms	Switching Voltage Switching Current Max. Electrical Power Contact Resistance (value as new) Insulation Resistance Bouncing
MECHANISCHE DATEN MECHANICAL DATA	Lebensdauer Betriebstemperatur Lagertemperatur Betätigungskraft Vibrationsfestigkeit	8 Million operations -25 °C to +130 °C -40 °C to +130 °C 1.5 N ± 0.5 N acc. to IEC 60 068-2-6: 10g from 30-300 Hz	Life Expectancy Operating Temperature Storage Temperature Operating Force Vibration Resistance
LÖTBEDINGUNGEN/ART SOLDERING TIME / CONDITIONS	SMD	acc. to IPC/JEDEC J-STD-020D Tab. 4-2 (max. peak temperature +260°)	SMD

Empfohlene Reflow Temperaturkurve
recommended reflow temperature profile



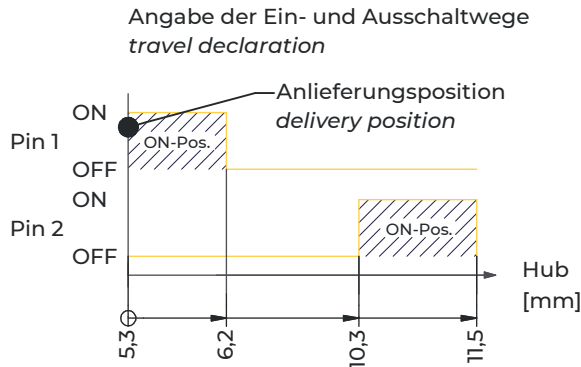
T _p	260°C	T _{s max}	200°C
t _p	30 sec.	T _{s min}	150°C
T _L	217°C	t _s	60-120 sec.
t _L	60-150 sec.	T _c	250°C

Pos. 7 SCHALTERAUSFÜHRUNG | SWITCH VERSION

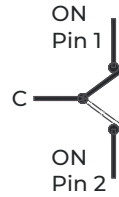
7

4 4 2 - 0 2 2 0 0 0 0 2

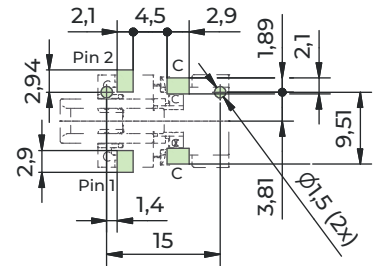
- 1 Variante 1 (bei Hebelausführung Hebel 1 "kurz" wählen) version 1 (choose shaft version 1 "short")



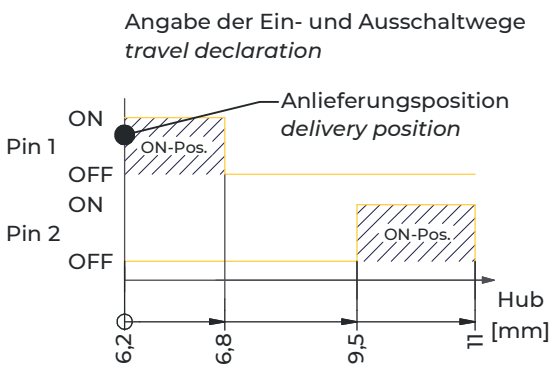
Schalt diagramm
circuit diagram



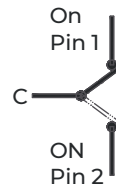
Löt-Pad-Anordnung
SMD soldering pad



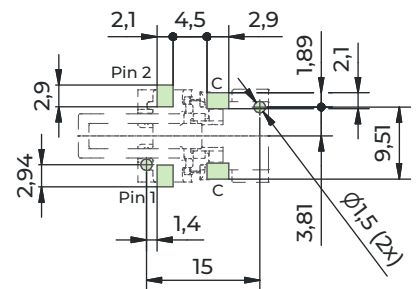
- 2 Variante 2 (bei Hebelausführung Hebel 2 "lang" wählen) version 2 (choose shaft version 2 "long")



Schalt diagramm
circuit diagram



Löt-Pad-Anordnung
SMD soldering pad

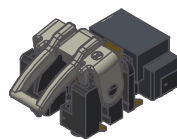
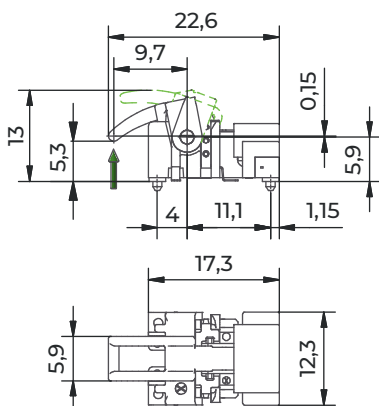


Pos. 9 HEBELAUSFÜHRUNG | LEVER VERSION

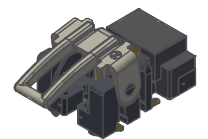
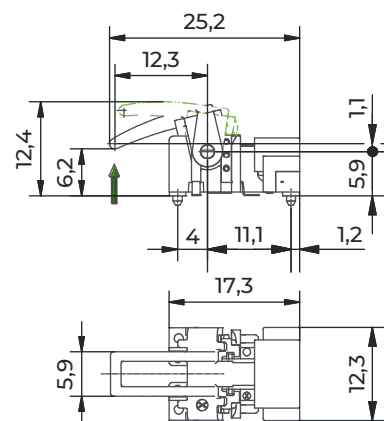
9

4 4 2 - 0 2 2 0 0 0 0 2

- 1 kurz
short



- 2 lang
long



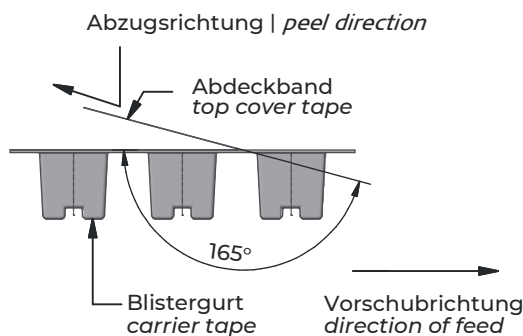
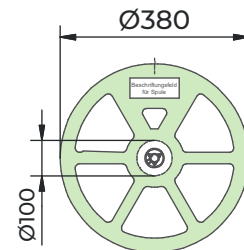
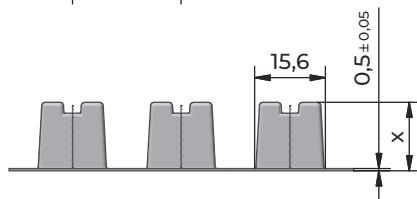
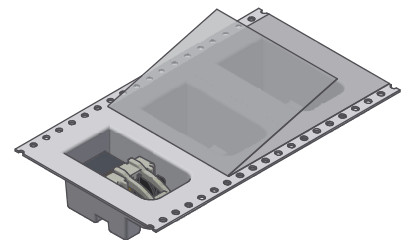
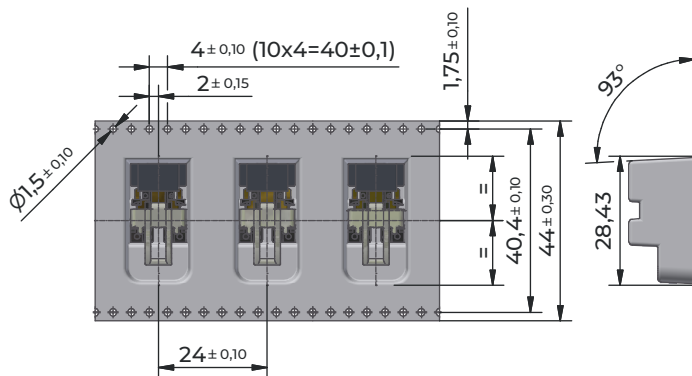
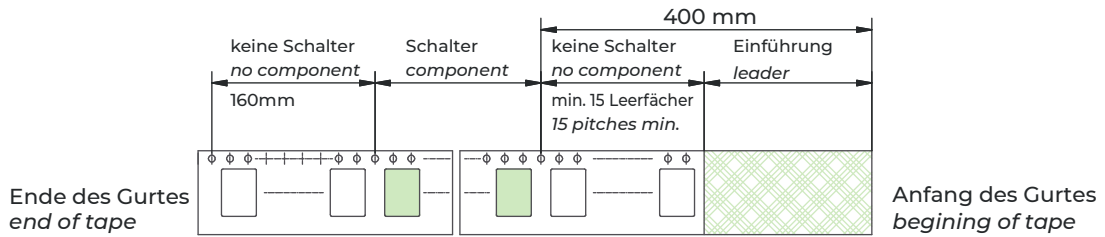
WERKSTOFFE MATERIALS	Blistergurt Abdeckband	PS PET	Embossed tape Reel
	Zugkraft	min. 10 N	Embossed tape pull strength
ABDECKBAND TOP COVER TAPE	Abzugswinkel Abzugsgeschwindigkeit Abzugskraft	165° - 180° 300 mm / min. 0.1 - 0.7 N	Peel - off angle Peel - off speed Peel - off force

Pos. 15 VERPACKUNG | PACKAGING

15

4 4 2 - 0 2 2 0 0 0 0 0

2 Gurt | embossed tape
Blistergurtabmessungen | embossed tape dimensions



Spulenabmessungen
reel dimensions

Schalter switch	max. Stückzahl number of pieces	Maß "x" dimension "x"
alle Versionen all versions	250	15.09 mm

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>	_____
Kundennr.: <i>Customer No.:</i>	_____	E-Mail: <i>E-Mail:</i>	_____

Bestellschlüssel | ordering code

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	4	4	2	-	0	2		2		0	0	0	0	0	2
Schalterausführung <i>switch version</i>															
Hebelausführung <i>lever version</i>															
Verpackung <i>packaging</i>															

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

Bitte nutzen Sie die nebenstehenden Links und QR-Codes, um Ihre individuellen Muster und 3D-Daten anzufordern.

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