

Type P60A **THR**

Through Hole Reflow mit
Carrier & Preforms

- Ein Verarbeitungsprozess für SMT und Through-Hole-Bauteile.
- Selektives Bestücken und Löten entfällt.
- Die robuste Lötverbindung bringt zusätzliche Funktionssicherheit in der Anwendung.

Die Schalter sind gurtverpackt und werden mit herkömmlichen SMT-Bestückungsautomaten platziert.

Im Schalter integrierte Abstandhalter sorgen im Reflowofen für eine ungehinderte und gleichmäßige Wärmezufuhr an die Lötstellen.

Selektives Löten ist nicht mehr notwendig.

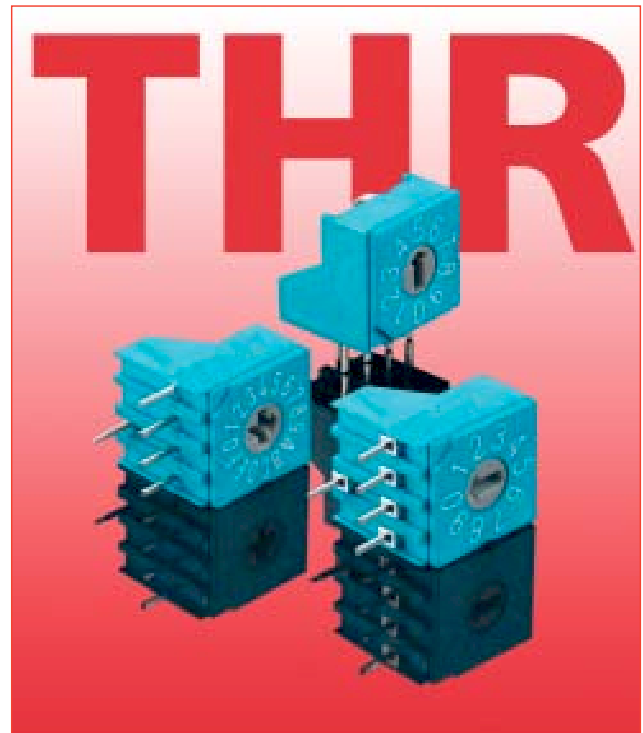
Through Hole Reflow with
Carrier & Preforms

- One process for both SMT- and Through-Hole-Components
- No more selective mounting and soldering.
- Robust solder connection provides additional operation reliability

The switches are packed in Tape & Reel and can be placed with conventional pick and place machines.

Spacers that are integrated in the switch bottom ensure an unhindered and evenly spread heat supply in the reflow oven.

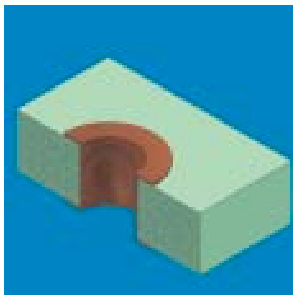
Selective soldering is no longer necessary.



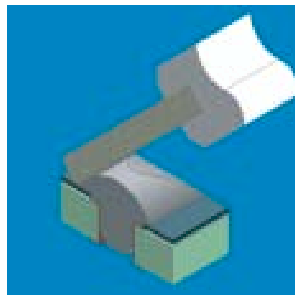
Dreh-Codierschalter
PCB Code Switches

THR-Prozess / THR-Process

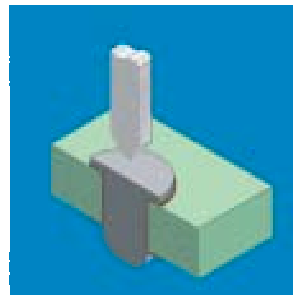
1. Leiterplatte mit durchkontaktierten Bohrungen
PCB with plated-through holes



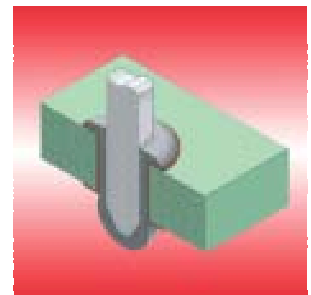
2. Lotpaste auftragen
Applying solder paste



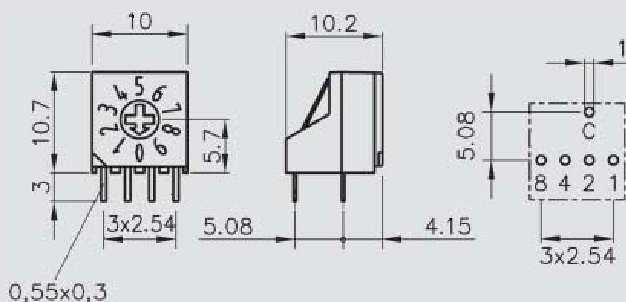
3. THR-Bauteile zusammen mit den SMT-Bauelementen bestücken
Mounting THR-components altogether with the SMT-components



4. Reflow-Löten.
Fertig!
Reflow soldering.
Ready!



Abmessungen / Dimensions P60A THR



Bohrloch durchkontaktiert
Innendurchmesser 1,0mm
Lötlauge Durchmesser 1,8mm

Plated through holes
PCB hole diameter 1,0mm
Outside diameter plated land 1,8mm

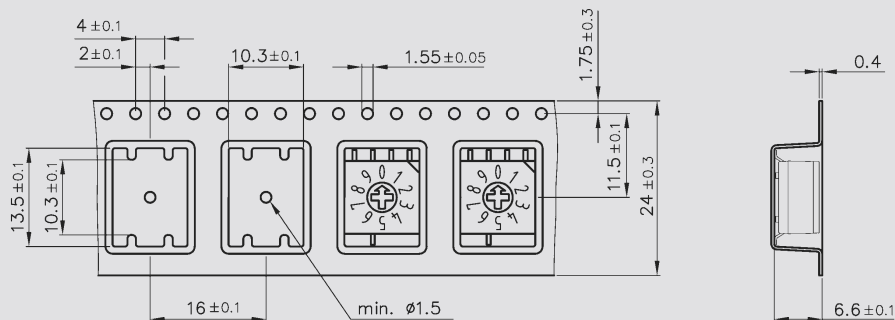
Mehr Informationen zu THR
ab Seite 11.

More Information about THR
starting on page 11.

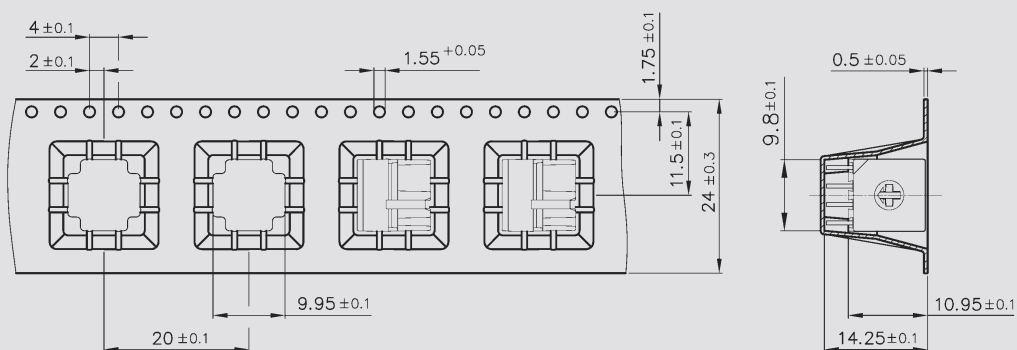
Gurt-/Rollenverpackung P60AS.../P60A THR

Tape and Reel Packing P60AS.../P60A THR

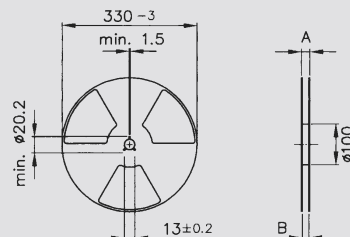
P60AS...



P60A THR...

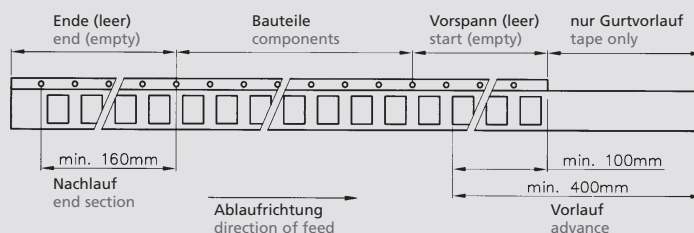


Rollenmaße Reel dimensions	A	B	Schalter/Rolle Switches/Reel
P60AS...	30,4	24,4	600
P60A THR...	30,4	24,4	200



Gurtvorlauf und -nachlauf

Advance and end section



Codierungen / Codes

Type

01

BCD					
	C	1	2	4	8
0	•	•			
1	•	•			
2			•		
3	•	•			
4				•	
5	•	•			
6	•		•		
7	•	•	•		
8					•
9	•	•			•

Schalt-
stellung
Position

Beschriftung
Description

Type 02

BCD Complement

	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

Type 03

Hexadecimal

	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

Type

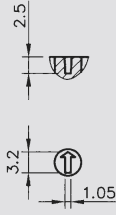
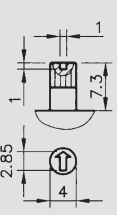
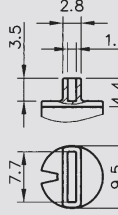
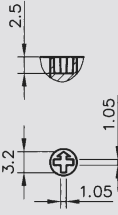
06

Hexadecimal Compl.

	C	1	2	4	8
0	●	●	●	●	●
1	●	●	●	●	●
2	●	●	●	●	●
3	●	●	●	●	●
4	●	●	●	●	●
5	●	●	●	●	●
6	●	●	●	●	●
7	●	●	●	●	●
8	●	●	●	●	●
9	●	●	●	●	●
10	●	●	●	●	●
11	●	●	●	●	●
12	●	●	●	●	●
13	●	●	●	●	●
14	●	●	●	●	●
15	●	●	●	●	●

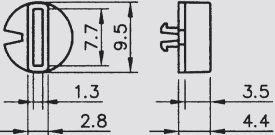
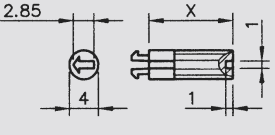
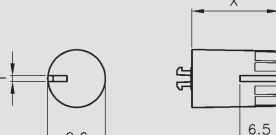
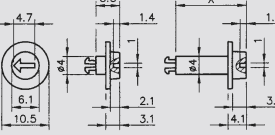
Weitere Codierungen auf Anfrage.
Further codes on request.

Standardbetätiger / Standard actuators

 Schraubendreher-schlitz Arrow-shaped slot No. 1 	 Schalt-achse * Spindle * No. 3 	 Segment-schaltrad * Segment wheel * No. 5 	 Kreuz-schlitz Cross-shaped slot No. 7 
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Lose Betätiger für Kreuzschlitzaufnahme * (Farbe bitte der Bestellbezeichnung anfügen)

Operating elements for cross-shaped slot in bulk * (please add colour to order code)

 Segment-schaltrad Segment wheel  Farben: <u>grau</u>, schwarz, gelb, rot, grün, blau Bestellbezeichnung: SR-PT65 9,5/4,4 (+ Farbe) Colours: <u>grey</u>, black, yellow, red, green, blue Order Code: SR-PT65 9,5/4,4 (+ colour)	 Schalt-achse Spindle  Farben: <u>grau</u>, schwarz, rot Bestellbezeichnung: SA-PT65 4/x (+ Farbe) (x=7,3; 11,6; 13,3) Colours: <u>grey</u>, black, red Order Code: SA-PT65 4/x (+ colour) (x=7,3; 11,6; 13,3)	 Drehachse Rotary axle  Farbe: grau Bestellbezeichnung: DA-PT65 9,6/x (x=9,5; 14,5, 19,0) Colour: grey Order Code: DA-PT65 9,6/x (x=9,5; 14,5, 19,0)	 Drehknopf Knob  Farbe: rot Bestellbezeichnung: DK-PT65 10,5/x (x=5,3; 15,7; 29,1; 34,4) Colour: red Order Code: DK-PT65 10,5/x (x=5,3; 15,7; 29,1; 34,4)
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* Bei Reflowlötung:
Betätiger erst nach dem Lötvorgang anbringen.

* For reflow soldering:
Only be fitted after the soldering process.

Bestellangaben / Order description

P60ATHR 101 L508 TR

Type	Betätiger Actuators	Codierung Codes	Anschlusspins Terminals	Verpackung Packing
P60A	1 = Schraubendreher-schlitz arrow-shaped slot	01 = BCD	V = Verschränkt crimped	TR = Gurt / Rolle Tape & Reel
P60AS	3 = Schaltachse spindle	02 = BCD Complement	L508 = Abgewinkelt nach links 5,08mm left angular 5,08mm	
P60A THR	5 = Segmentschaltrad segment wheel 7 = Kreuzschlitz cross-shaped slot	03 = Hexadecimal 06 = Hexadecimal Complement		