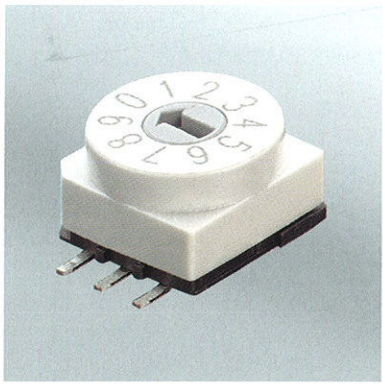
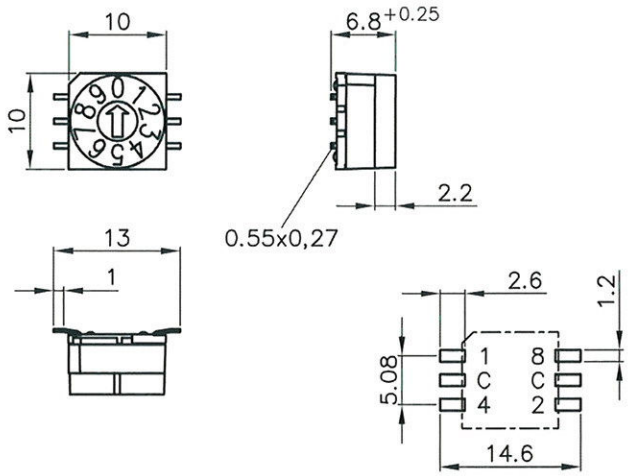
1 P65SMT





SMT Gull Wing Oberflächenmontage

- stabile Anschlussstifte
- Kontakte mit abriebfester Hartgoldauflage
- ESD-Schutz bis 8kV
- 100% elektronische Endkontrolle

Stabile Anschlussstifte gewährleisten eine problemlose Bestückung und sichere Verbindung. Durch die Kontakte mit abriebfester Hartgoldauflage ist der Übergangswiderstand gering und gleichbleibend. Die nach ISO 9001:2000 zertifizierte Fertigung und die 100% elektronische Endkontrolle garantieren die zuverlässige Funktion. Ein präzises Rastwerk und gut lesbare Ziffern machen die Bedienung einfach und schnell. Viele Sondertypen sind auf Anfrage verfügbar und spezielle Ausführungen können nach Kundenwunsch hergestellt werden.

SMT Gull Wing Surface Mount Technology

- solid PCB pins
- contacts with abrasion resistant hard gold plating
- ESD-protection up to 8kV
- 100% electronic final inspection and testing

Solid PCB pins ensure trouble-free assembly and safe connection. Contacts with abrasion resistant hard gold plating have low and stable contact resistance. ISO 9001:2000 approved production together with 100% electronic final inspection and testing guarantee reliable operation. Figures are clearly visible and detention mechanism is precise for fast and easy operation. Many special designs are available on request or can be built according to customer's specification.

MECHANISCHE KENNWERTE	MECHANICAL DATA	
Bauhöhe	Height	6,8mm
Länge	Length	10mm
Breite	Width	10mm
Anschluss-System	Pin connection	3+3
Zul. Umgebungstemperatur	Perm. ambient temperature	-60 ... +125°C
Zul. Lagertemperatur	Perm. storage temperature	-40 ... +85°C
Drehmoment (typisch)	Torque (typically)	1,3Ncm
Mech. Lebensdauer	Mech. lifetime	30 000 Schaltschritte / 30 000 steps
Schaltstellungen/Umdrehung	Positions per rotation	4, 6, 10, 16
ELEKTRISCHE KENNWERTE	**ELECTRICAL DATA**	
Betriebsspannung	Operating voltage	≤ 42V
Ruhestrom	Contact load, static	≤ 0,2A
Schaltstrom	Contact load, dynamic	≤ 0,1A
Schaltstrom Minimum	Minimum load	1µA 20mVDC
Prüfspannung	Test voltage	250V 50Hz/1min
Übergangswiderstand	Contact resistance	<80mΩ
Isolationswiderstand	Insulation resistance	>100MΩ
SONSTIGE KENNWERTE	**OTHER DATA**	
Reflowlötung max.	Reflow soldering	10s/260°C
Wellenlötung	Wave soldering	5s/280°C
Kolbenlötung max.	Iron soldering	2s/340°C

2 BETÄTIGER / ACTUATORS

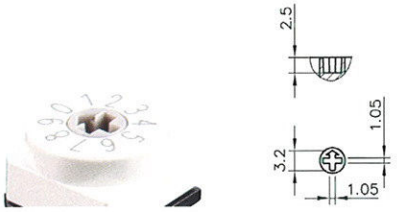
Schraubendreherschlitz / Arrow-shaped slot

Code: **P65SMT 1** 3 4 5



Kreuzschlitz / Cross shaped slot

Code: **P65SMT 7** 3 4 5



Zusatzbetätiger siehe Seite 214
Auxiliary actuators see page 214

3 CODIERUNGEN / CODES

	Pos	
BCD	10	Code: **P65SMT** 2 **01** 4 5
BCD Complement	10	Code: **P65SMT** 2 **02** 4 5
Hexadecimal	16	Code: **P65SMT** 2 **03** 4 5
Hexadecimal Complement	16	Code: **P65SMT** 2 **06** 4 5

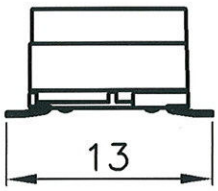
Weitere Codierungen auf Anfrage / Further codes on request

Codiertabellen siehe Seite 217 / Coding tables please see page 217

4 ANSCHLUSSPINS / CONTACT PINS

SMT Gull Wing / SMT Gull Wing

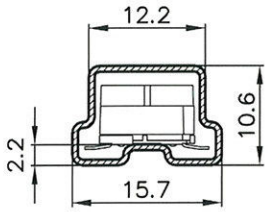
Code: **P65SMT** 2 3 5



5 VERPACKUNG / PACKING

Magazin / Tube

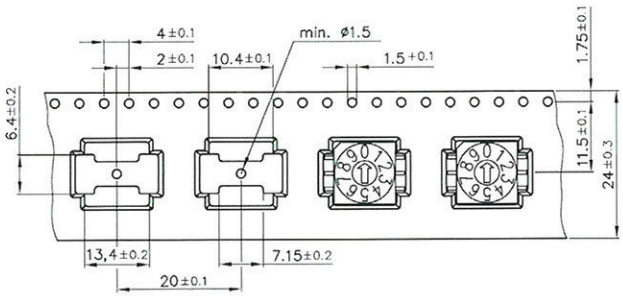
50 Stk./pcs. Code: **P65SMT** 2 3 4

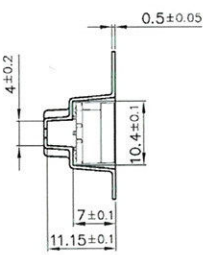


Gurt-/Rollenverpackung / Tape & Reel Packing

300 Stk./pcs. Code: **P65SMT** 2 3 4 **TR**

Weitere Informationen zu Gurt-/Rollenverpackung siehe Seite 216
Further Information on Tape&Reel packing please see page 216





Codiertabellen
Coding tables

Code 01

BCD
Typ 01

	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

Code 02

BCD Complement
Typ 02

	C	$\overline{1}$	$\overline{2}$	$\overline{4}$	$\overline{8}$	
0	●	●	●	●	●	0
1	●		●	●	●	1
2	●	●		●	●	2
3	●			●	●	3
4	●	●	●		●	4
5	●		●		●	5
6	●	●			●	6
7	●				●	7
8	●	●	●	●		8
9	●		●	●		9

Code 03

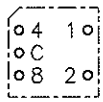
Hexadezimal
Typ 03

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

Code 04

BCD 1xC
Typ 04

	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



Code 05

Gray Code
Typ 05

	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

Code 06

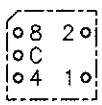
Hexadezimal Compl.
Typ 06

	C	$\overline{1}$	$\overline{2}$	$\overline{4}$	$\overline{8}$	
0	●	●	●	●	●	0
1	●		●	●	●	•
2	●	●		●	●	2
3	●			●	●	•
4	●	●	●		●	4
5	●		●		●	•
6	●	●			●	6
7	●				●	•
8	●	●	●	●		8
9	●		●	●		•
10	●	●		●		A
11	●			●		•
12	●	●	●			C
13	●		●			•
14	●	●				E
15	●					•

Code 09

Hexa Compl. 1xC
Typ 09

	C	$\overline{1}$	$\overline{2}$	$\overline{4}$	$\overline{8}$	
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



Code 11

Aus/Ein
Typ 11

	C	1	
0	●		0
1	●	●	1
2	●		0
3	●	●	1



Code 12

BCD
Typ 12

	C	1	2	
0	●			0
1	●	●		1
2	●		●	2
3	●	●	●	3

