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CODE SWITCH COMMUTATORI A CODICE

SK20

Commutatore a codice BCD, BC o esadecimale completamente integrato direttamente in una manopola di comando IP67, Nessuno spazio necessario per la funzione di commutazione all'interno dell'apparecchiatura elettronica.



Complete code switch integrated in the operating knob.

- No space required for the switch function inside the electronic equipment.
- Watertight against front panel, therefore especially suited for applications under severe conditions.
- Optional 10, 12 or 16 switching positions.
- BCD, BC or hexadecimal code. Others on request.
- Knob colour black. Different knob colours, designs and inscriptions on request.
- Advantages of front panel mounting: Complete switch sealed according to protection class IP 64 (standard version). Special design: protection class IP 67, tight up to 0,2 bar, 10s.

1.0 Construction	
1.1 Number of wafers max.	1 wafer
1.2 Switching combinations per wafer	Code 51, BCD
Design D, detent angle 36°	
Design E, detent angle 30°	Code 41, Binary
Design H, detent angle 22,5°	Code 61, Hexadecimal
1.3 Contacts	Soldering pins
1.4 Mounting	Central mounting

2.0 Electrical Data	
2.1 Switching power max.	1,5 VA/W
2.2 Switching voltage max.	15 VV
2.3 Switching current max.	100 mA
2.4 Rest current max. at ∂u 20 °C	0,6 A
2.5 Test voltage at 50 Hz	100 V
2.6 Life expectancy	without electrical load $\geq 50\,000$ cycles
	with max power $\geq 20\,000$ cycles
2.7 Contact resistance	initial value $\leq 100\,m\Omega$
	after life expectancy $\leq 300\,m\Omega$
2.8 Insulation resistance	$\geq 10^{10}\Omega$

3.0 Mechanical Data	
3.1 Stops	Fixed or without stop
3.2 Operating torque	8 Ncm
3.3 Stop strength	50 Ncm
3.4 Vibratory strength	10 g, 10–500 Hz
3.5 Shock strength	50 g
3.6 Dust protection	Sealed wafers
3.7 Cleaning*	Complete immersion in ultrasonic bath
3.8 Waterproofing	Standard version Acc. to protection class IP 64, DIN 40050
	Special version IP 67, dip proof up to 0,2 bar

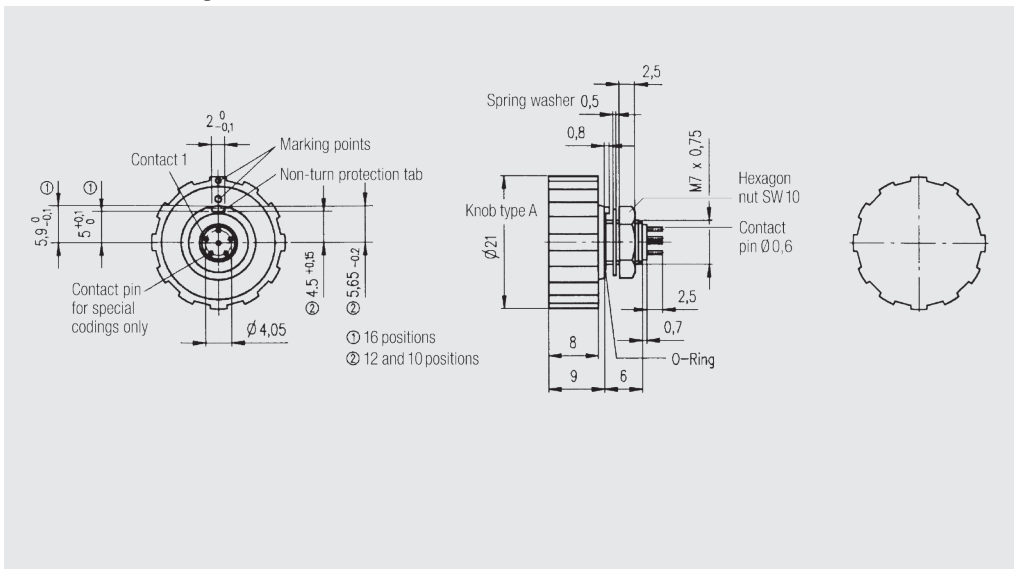
*With known agents such as Freon, Arklone etc.

4.0 Other Data	
4.1 Contact material	Au
4.2 Insulating material Wafers	PBTP, Polybutylenterephthalate; Code PB
4.3 Soldering time and temperature max.	5 s at 260 °C

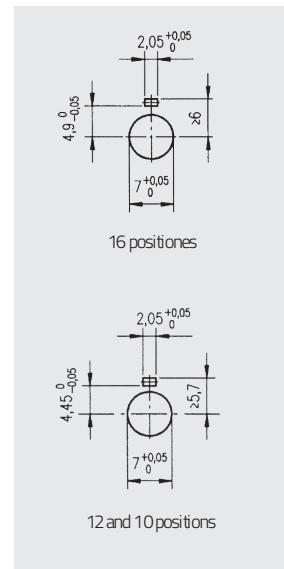
Ordering Codes

Designation of type	SK 20
1. Number of banks	1
2. Code	41, 51, 61 or 64
3. Distribution over 360°	10, 12 or 16
4. Switching limit	00 = without stop (limit to XX positions)
5. Knob version	A or B
6. Special version	WD = IP 67

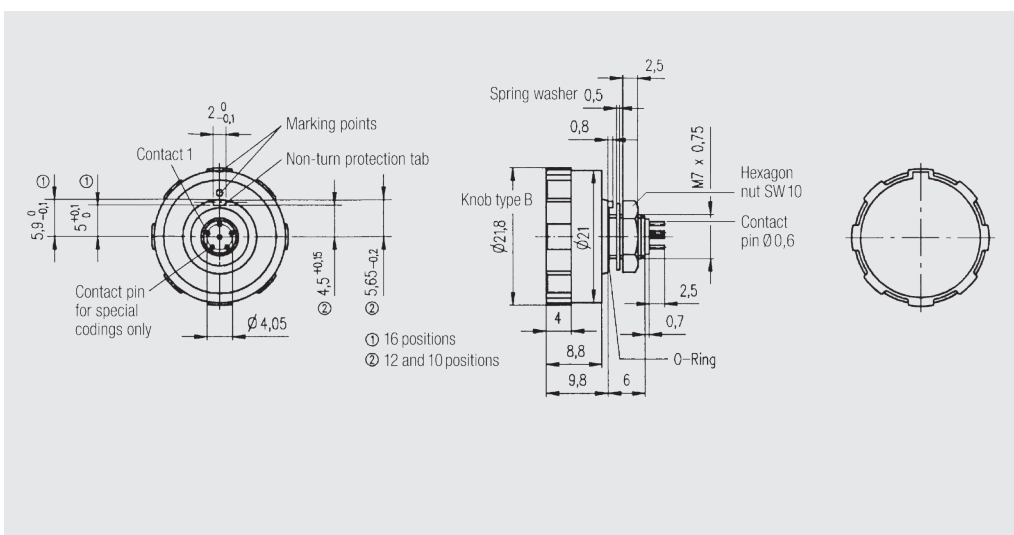
Dimensional Drawings · Dimensions in mm



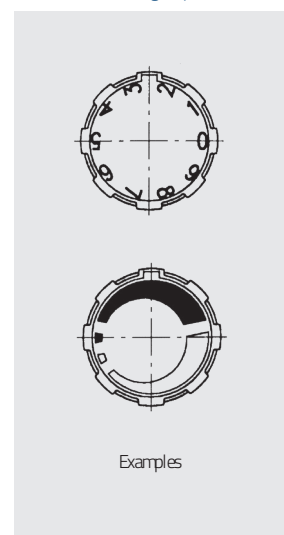
SK 20 · Knob version A



SK 20 · Mounting layouts



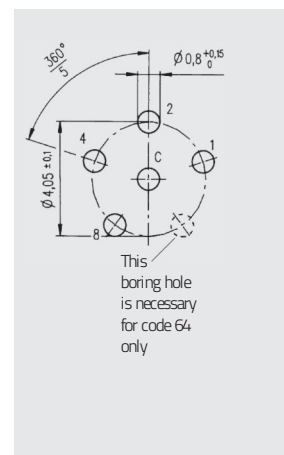
SK 20 · Knob version B



SK 20 · Knob lettering

Code 41 Binary						Code 51 BCD Complement						Code 61 Hexa- decimal						Code 64 Hexa- decimal- with switch-on contact													
41						51						61						64													
C connect- ed with		1		2		4		8		C connect- ed with		1		2		4		8		C connect- ed with		1		2		4		8		R	
0						0					0										0										
1			•			1		•			1		•								1		•							•	
2						2			•		2			•							2			•							
3			•	•		3		•		•		3		•	•						3		•							•	
4						4					•					•					4			•					•		
5			•			5		•			•		•								5		•							•	
6						6			•		•		•								6			•						•	
7			•	•	•	7		•		•	•		•	•							7		•		•					•	
8						8															8							•			
9			•			9		•													9		•						•		
10				•																								•			
11			•	•																			•					•			
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SK 20 · Codes. Special codes on request



SK 20 · Hole location diagram

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Via Monferrato, 43
20098 San Giuliano Milanese
ITALY

T. +39 02 55.60.61.01
F. +39 02 55.60.71.43

www.klemi-contact.com