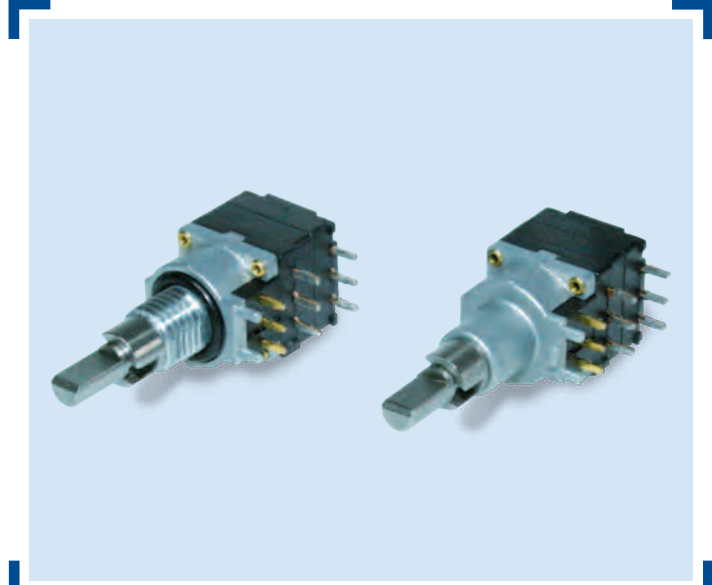
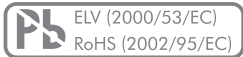


Coded Switch Type C07 Concentric

- 16 positions hex or gray coding with 2/3 positions outer shaft selector switch
- For rugged environments
- 3.5 Ncm switching torque
- Gold plated contacts
- THT (reflow version on request)
- Optional IP68 front panel sealing (up to 5 bar)
- Operating temperature range: -40 to +85°C
- Tape & reel packaging
- Various options and customization



Standard Product Variety

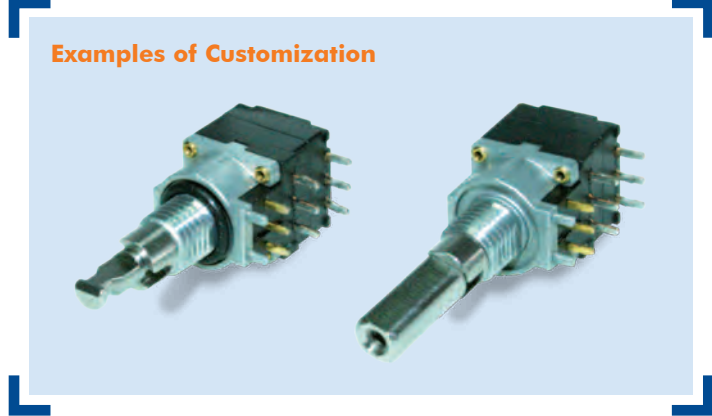
- Threaded or non-threaded bushing
- Hex or gray coding
- 2 or 3 positions outer shaft selector switch
- IP60 or IP68 front panel sealing
- Tray or tape & reel packaging

Possible Customization

- Shaft dimensions and shape
- Bushing, mounting
- Number of positions
- Switching torque
- Others

Typical Applications

- Channel selection for portable radios
- Cockpit controls



Examples of Customization

Examples of Customization

- D-shape shaft with retention lock
- Double-D shape shaft with tap screw
- High/low torque function "on/off"

Preference Types Selection Chart¹

Non-Threaded Bushing

Coding	Switching Mode	Indexing Angle	Positions		Packaging	
			Inner Shaft	Outer Shaft	Tape & Reel	Tray
Hex	Shorting	22.5°	16	3 (center off)	C07-1153T	C07-1153
Gray	Shorting	22.5°	16	3 (center off)	C07-1173T	C07-1173

Threaded Bushing, IP68

Coding	Switching Mode	Indexing Angle	Positions		Packaging	
			Inner Shaft	Outer Shaft	Tape & Reel	Tray
Hex	Shorting	22.5°	16	2 (on/off)	C07-1183T300000	C07-1183-300000
				3 (center off)	C07-1153T300000	C07-1153-300000
Gray	Shorting	22.5°	16	2 (on/off)	C07-1193T300000	C07-1193-300000
				3 (center off)	C07-1173T300000	C07-1173-300000

¹ For other types/options, see type key.

Coded Switch Type C07 Concentric

Specifications

Mechanical Data

Resolution:	Inner shaft: 16 positions (22.5° indexing)
	Outer shaft: 2 or 3 positions (22.5° indexing)
Switching torque (new condition):.....	Inner shaft: 3.5 Ncm (+/- 25%)
	Outer shaft: 6.0 Ncm (+/- 25%)
Rotational life:	Inner shaft: 10,000 cycles min.
	Outer shaft: 7,500 cycles min.
End stop strength:	Inner shaft: 40 Ncm min.
	Outer shaft: 24 Ncm min.
Fastening torque of nut:	100 Ncm max.

Electrical Data

Coding/output:.....	Inner shaft: Hex or gray
	Outer shaft: On/off/on (3 pos.) or on/off (2 pos.)
Contact resistance (new condition):	50 mOhms max.
Dielectric withstanding voltage:.....	500 VDC during 60 seconds (pins to pins, pins to housing)

Material Data

Shaft:	Stainless steel
Housing:	Zinc diecast, fiber enforced high performance plastic
Nut:	Brass
Contact system:	CuBe alloy, AuCo plated (hard gold)
Soldering leads:.....	CuBe alloy, tin plated
O-rings:	NBR (Nitril), 70 shore

Environmental Data

Operating/storage temperature range:	-40 to +85°C max.
IP sealing:	IP60, optional IP68 (2 bar, 1 hour) shaft/front panel sealing (5 bar, 4 hours on request)
Vibration:	10 Grms max. @ 10 to 2000 Hz

Packaging Sizes

Tray:	50 or 200 pcs.
Tape & reel:.....	250 pcs.

Soldering Conditions

Hand soldering:.....	340°C max. during 2 s max.
Wave soldering:.....	280°C max. peak temperature during 5 s max.

Codings

Inner Shaft: Hex

	8	4	2	1
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Inner Shaft: Gray

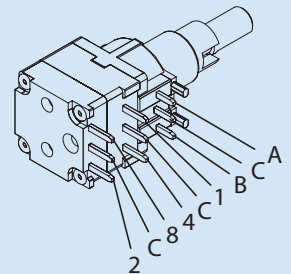
	8	4	2	1
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Outer Shaft: 3 Pos.

	A	B
1		
2		
3		

Outer Shaft: 2 Pos.

	A	B
1		
2		



On
 Off

