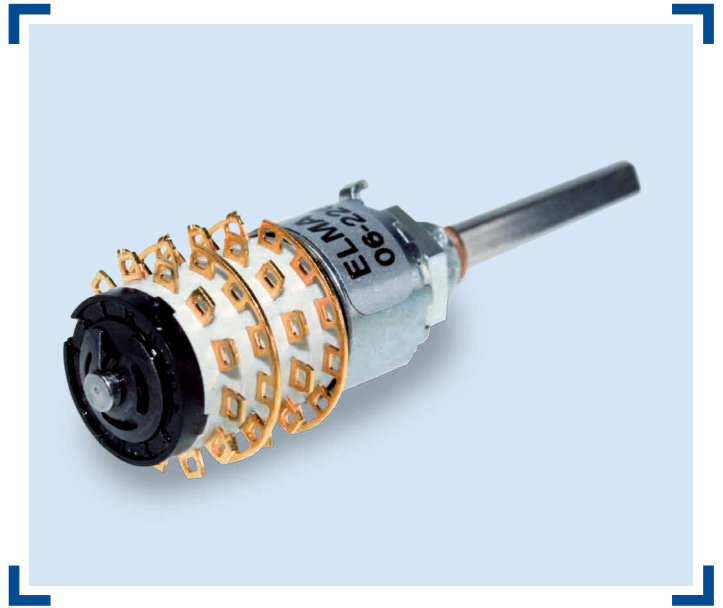
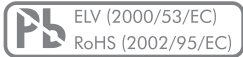


Selector Switch Type 06

- **Compact and versatile 12 positions multi wafer selector switch**
- **25,000 switching cycles with up to 9.0 Ncm switching torque**
- **Gold plated contacts: 3 micron**
- **Robust metal housing with metal shaft**
- **Operating temperature range: -40 to +85°C**
- **Various options and customization**



Standard Product Variety

- From 1 x 12 to 4 x 3 poles/positions per wafer
- Up to 8 wafers
- Shorting or non-shorting
- 3.0, 6.0 or 9.0 Ncm switching torque
- Configurable end stops

Possible Customization












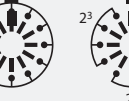
- Shaft dimensions and shape
- Bushing dimensions
- Switching torque
- Hollow shaft, inner shaft
- Others

Typical Applications

- Industrial controls
- Avionics, instrumentation, test systems
- Medical and audio equipment

Selector Switch Type 06

Preference Types Selection Chart¹

Contact Arrangement		Number of Wafers	Function (Poles x Positions)	Shorting	Non-Shorting
Common Contact Half	Discrete Contact Half				
		1	1 x 12, endless rotating	06-1103	06-1104
		2	2 x 12, endless rotating	06-2103	06-2104
		3	3 x 12, endless rotating	06-3103	06-3104
		4	4 x 12, endless rotating	06-4103	06-4104
		1	1 x 12	06-1113	06-1114
		2	2 x 12	06-2113	06-2114
		3	3 x 12	06-3113	06-3114
		4	4 x 12	06-4113	06-4114
		1	2 x 6	06-1263	06-1264
		2	4 x 6	06-2263	06-2264
		3	6 x 6	06-3263	06-3264
		4	8 x 6	06-4263	06-4264
		1	3 x 4	06-1343	06-1344
		2	6 x 4	06-2343	06-2344
		3	9 x 4	06-3343	06-3344
		4	12 x 4	06-4343	06-4344
		1	4 x 3	06-1433	06-1434
		2	8 x 3	06-2433	06-2434
		3	12 x 3	06-3433	06-3434
		4	16 x 3	06-4433	06-4434
		2	Binary code 0-11	06-2913	06-2914

Stop Screws

Configurable stop screws can be set on any position between 2 and the maximum. Stop screws have to be ordered separately.		Packaging Unit	Order Number
	Stop screw M1.2	10 pcs.	4224-11
	Stop screw M1.2	100 pcs.	4224-10

¹ For other types/options, see type key.

Specifications

Mechanical Data

Resolution: 12 positions max. (30° indexing)
 Switching torque (new condition): 3.0, 6.0 or 9.0 Ncm (+/- 25%), additional wafers may increase switching torque
 Rotational life: 25,000 switching cycles min.
 Fastening torque of nut: 200 Ncm max.

Electrical Data

Function: From 1 x 12 to 4 x 3 poles/positions per wafer
 (max. 8 wafers)
 Switching mode: Shorting or non-shorting
 Load current: 1.5 A max. (resistive load)
 Switching voltage: 42 VDC max.
 Contact resistance (new condition): 10 mOhms max.
 Insulation resistance: 10¹³ Ohms min. (contact to contact/housing)
 Switching capacitance: 1 pF max. (contact to contact)
 Dielectric withstanding voltage: 500 VDC during 60 seconds

Material Data

Shaft: Stainless steel
 Bushing/housing: Zinc diecast, zinc plated and passivated
 Nut: Brass, zinc plated and passivated
 Contact plating: AuCo (hard gold); 3 µm
 Insulation material: Wafer: Diallylphtalat (DAP), rotor: Polyacetal (POM)
 Soldering leads: Alloy copper, AuCo plated (hard gold)

Environmental Data

Operating/storage temperature range: -40 to +85°C
 IP sealing: IP60 shaft/front panel sealing
 Vibration: 10 Grms max. @ 10 to 2000 Hz
 Flammability: UL94-HB

Packaging Sizes

Tray: 10 pcs.

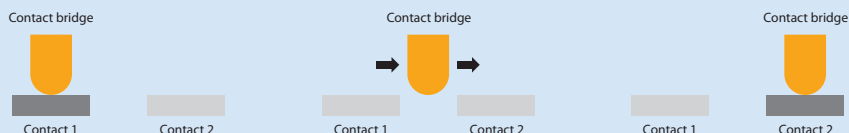
Soldering Conditions

Hand Soldering: 300°C max. during 3 s max.
 Wave Soldering: 280°C max. peak temperature during 5 s max.

Switching Modes

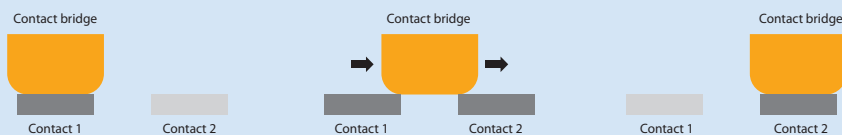
Non-Shorting

(break before make)



Shorting

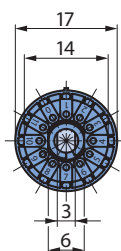
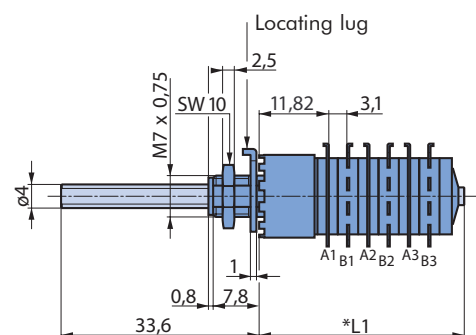
(make before break)



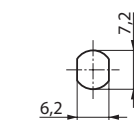
Selector Switch Type 06

Drawings

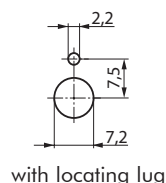
With Solder Eyelets



Front panel cut out



without locating lug



with locating lug

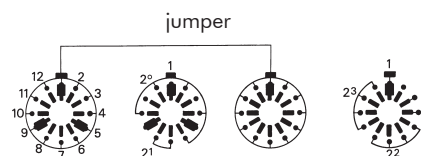
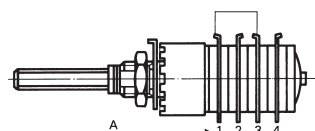
SW - Key spanner

Ax - Common contact half of wafer x

Bx - Discrete contact half of wafer x

*L - 1 wafer 21 mm
 2 wafers 28 mm
 3 wafers 35 mm
 4 wafers 42 mm
 Per additional wafer +7mm

Switch with BCD Coding



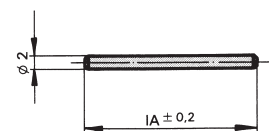
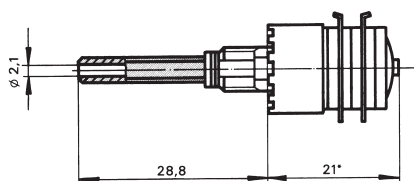
12 positions; the coding will be made according to the opposite layout.

Limiting detent to 10 (BCD) is being done with a stop screw M1.2 x 2.5.

BCD Coding

	8	4	2	1
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Hollow Shaft System

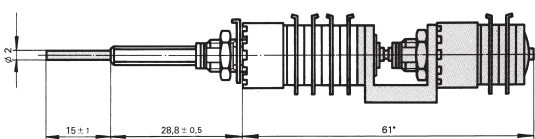


Hollow Shaft

Available for switches up to 4 wafers; inner shaft (Ø 2 mm) to be ordered separately.

Inner Shaft

For switches with mounting plate or hollow shaft. Inner shafts must be ordered separately.



* one wafer more or less ± 7 mm

Switch with 2 Drive Shafts

Consisting of a hollow outer plus an inner shaft. The inner shaft driving a maximum of 4 wafers with 4 wipers each. Please give type description of each switch.

Selector Switch Type 06

Type Key

0	6	-	X	X	X	X	-	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---

Number of Wafers

Number of Poles per Wafer

Factory set character

Switching Mode
3 - Shorting
4 - Non-shorting

Torque
- - 6.0 Ncm
M - 3.0 Ncm
N - 9.0 Ncm

Factory Set End Stop

00 - 12 pos.
11 - 11 pos.
10 - 10 pos.
09 - 9 pos.
08 - 8 pos.
07 - 7 pos.
06 - 6 pos.
05 - 5 pos.
04 - 4 pos.
03 - 3 pos.
02 - 2 pos.

Shaft Length (AL)

000 - 33.6 mm
xxx - Custom¹
(e.g. 18.5 mm = 185)

¹ Customized Shaft Length

Please state shaft length (AL) measured from mounting face.

