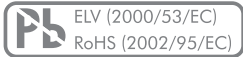


Selector Switch Type 01

- Compact 12 positions selector switch
- 25,000 switching cycles with up to 6.0 Ncm switching torque
- Gold plated contacts: 3 micron
- Robust metal housing with metal shaft
- Optional IP68 front panel sealing
- Operating temperature range: -40 to +85°C
- Various options and customization



Standard Product Variety

- Soldering eyelets or pins for PCB
- From 1 x 12 to 4 x 3 poles/positions per wafer
- Single or dual wafer
- 30, 36 or 60° indexing angle
- Shorting or non-shorting
- 2.0, 4.0 or 6.0 Ncm switching torque
- IP60 or IP68 front panel sealing
- Configurable end stops
- Shaft diameter: 3, 4 or 6 mm

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

Examples of Customization



Examples of Customization

- Interlock function; pull-to-turn
- Dual concentric version with E33 Encoder feed through

Selector Switch Type 01

Preference Types Selection Chart¹

Indexing Angle 30°, Shorting

Contact Arrangement	Construction	Function (Poles x Positions)	With Solder Eyelets	With Pins for PCB
		1 x 12, endless rotating	01-1123	01-1123-20
		2 x 12, endless rotating	01-2123	—
		1 x 12	01-1183	01-1183-20
		2 x 12	01-2183	—
		1 x 11	01-1113	01-1113-20
		2 x 11	01-2113	—
		2 x 6	01-1263	01-1263-20
		4 x 6	01-2263	—
		4 x 3	01-1433	01-1433-20
		8 x 3	01-2433	—

Indexing Angle 30°, Non-Shorting

Contact Arrangement	Construction	Function (Poles x Positions)	With Solder Eyelets	With Pins for PCB
		1 x 12, endless rotating	01-1124	01-1124-20
		1 x 12	01-1184	01-1184-20
		1 x 11	01-1114	01-1114-20
		2 x 6	01-1264	01-1264-20
		4 x 3	01-1434	01-1434-20

Indexing Angle 36°, Shorting

Contact Arrangement	Construction	Function (Poles x Positions)	With Solder Eyelets	With Pins for PCB
		1 x 10, endless rotating	01-1103	01-1103-20
		1 x 10	01-1193	01-1193-20

Indexing Angle 60°, Non-Shorting

Contact Arrangement	Construction	Function (Poles x Positions)	With Solder Eyelets	With Pins for PCB
		1 x 6, endless rotating	01-1104	01-1104-20
		1 x 6	01-1164	01-1164-20
		2 x 3	01-1234	01-1234-20
		4 x 2	01-1424	01-1424-20

Stop Pins

Packaging Unit	Order Number
10 pcs.	4007-36
50 pcs.	4007-35

On switches with fixed end-stop, additional stops can be set, by means of a plastic pin, on any position between 2 and the maximum (stop pins to be ordered separately).

¹ For other types/options, see type key.

Specifications

Mechanical Data

Resolution:	12 positions max. (30° indexing); shorting or non-shorting 10 positions max. (36° indexing); shorting 6 positions max. (60° indexing); non-shorting
Switching torque (new condition):	2.0, 4.0 or 6.0 Ncm (+/- 25%), additional wafers may increase switching torque
Rotational life:	25,000 switching cycles min.
Fastening torque of nut:	300 Ncm max.

Electrical Data

Functions:	From 1 x 12 to 4 x 3 poles/positions per wafer (max. 2 wafers)
Switching mode:	Shorting (for 30° and 36° indexing) Non-shorting (for 30° and 60° indexing)
Load current:	2 A max. (resistive load)
Switching voltage:	42 VDC max.
Contact resistance (new condition):	10 mOhms max.
Insulation resistance:	10 ¹¹ 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:	Nickel silver
Housing:	Fiber enforced plastic
Nut:	Brass with glossy nickel plating
Contact plating:	AuCo (hard gold); 3 µm
Insulation material:	Wafer: HF ceramic, rotor: Polybutylene (PBTB)
Soldering leads:	Alloy copper, AuCo plated (hard gold)

Environmental Data

Operating/storage temperature range:	-40 to +85°C
IP sealing:	IP60, optional IP68 (2 bar, 1 hour) shaft/front panel sealing
Vibration:	10 Grms max. @ 10 to 2000 Hz
Flammability:	UL94-HB

Packaging Sizes

Tray:	10 pcs.
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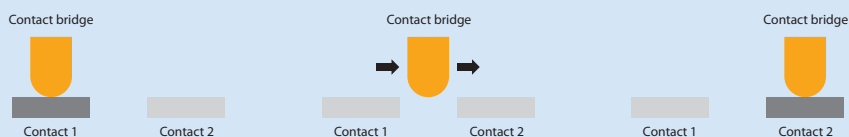
Soldering Conditions

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

Switching Modes

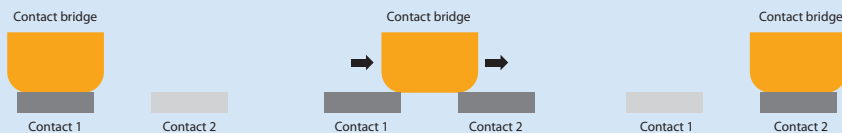
Non-Shorting

(break before make)



Shorting

(make before break)



Selector Switch Type 01

Type Key

0	1	-	X	X	X	X	-	X	X	X	X	X	X	X	X
Number of Wafers															
Number of Poles per Wafer															
Factory set character															
Switching Mode															
Torque															