Rotary Switch BS/EBS



Rotary switch for conventional wiring or for direct soldering to printed circuits (EBS)

- Multi-wafer switch for conventional wiring.
- Up to 4 circuits per wafer.
- Flexible due to many different detent angles:15°, 22,5°, 25,71°, 30°, 36°, 45°, 51,43°, 60° or 72°.
- Lever detent mechanism for angles 72°, 60°, 51,43° and 45°, other angles with ball detent mechanism with plastic housing. On request with lever mechanism.
- Shorting or non-shorting mode of switching.
- Stops adjustable retrospectively (Version V).
- Version watertight against front panel available.
- Available with hollow shaft for addition of another switch or potentiometer.
- Many special designs:
- Tandem version for shorter overall length.
- Locking device, switch can be operated only when shaft is pushed.
- Spring return version (momentary contact) operated clockwise or anti-clockwise, also over several switching positions.
- Turn-back interlock for switch operating only in one direction.
- Dummy wafers for mounting of electronic components.
- Two point mounting.

1.0	Construction	
1.1	Number of wafers max.	10 wafers
1.2	Switching combinations per wafer	_
	Design A, detent angle 72°	1x5 to 1x2; 2x3 to 2x2
	Design B, detent angle 60°	1x6 to 1x2; 2x3 to 2x2; 3x2; 4x2
	Design C, detent angle 51° 25,8'	1x7 to 1x2; 2x4 to 2x2; 3x2; 4x2
	Design G, detent angle 45°	1x8 to 1x2; 2x4 to 2x2; 4x2
	Design D, detent angle 36°	1x10 to 1x2; 2x5 to 2x2
	Design E, detent angle 30°	1x12 to 1x2; 2x6 to 2x2; 3x4 to 3x2
		4x3 to 4x2
	Design F, detent angle 25° 42,6'	1x14 to 1x2; 2x7 to 2x2; 3x4 to 3x2
		4x3 to 4x2
	Design H, detent angle 22°30'	1x16 to 1x2; 2x8 to 2x2; 4x4 to 4x2
	Design P, detent angle 15°	1x24* to 1x2; 2x11 to 2x2; 3x7 to 3x2;
		3x5 to 4x2
1.3	Contacts	Soldering lugs, single-wafer switch also with pins
1.4	Mounting	Central mounting

* With 1 x 24 fixed stop only or no stop possible.

2.0 Electrical Data			Ag-version	AuNi-version
2.1	2.1 Switching power max.		40 VA/W	20 VA/W
2.2	2.2 Switching voltage max.		125 V-	60 V-
2.3 Switching current max.		1A	0,5 A	
2.4	2.4 Rest current max. at ∂u 20°C		4 A	4 A
2.5	Test voltage at 50 Hz	between contacts	1000 V	1000 V
		contact/ground	2000 V	2000 V
2.6	.6 Life expectancy without electric load		≥25000 cycles	≥25000 cycles
2.7	2.7 Contact resistance initial value		≤8mΩ	≤12 mΩ
2.8	2.8 Insulation resistance		$\geq 10^{11}\Omega$	$\geq 10^{11}\Omega$
2.9 Capacity between 2 contacts		~1pF	~1pF	

3.0 Mechanical Data

3.1	Switching mode	Shorting or non-shorting
3.2	Stops	Fixed or without stop Version V variable
3.3	Operating torque according to design	≥9Ncm
3.4	Stop strength	≥150 Ncm
3.5	Fastening torque max.	≥ 500 Ncm
3.6	Dust protection	Dust protection cap on request

4.0 Other Data

4.1 Contact ma	Iterial	Ag or AuNi			
4.2 Insulating	Wafer	Diallylphthalate, DAP; Code DI			
material	Rotor	Polycarbonate, PC			
4.3 Soldering ti	me and temperature max.	5s at 260°C			
		3s at 350°C, manual soldering			

Additional description for »adjustable stops«

Please add ${\bf V}$ at the end of the ordering code of the desired switch.

The bold-typed data in the yellow order blocks remain unchanged. Normal-typed data match the drawings and can be modified according to your wishes. Blanks need to be completed according to the ordering details on the inside front cover.





M 2.5x5 deep

on request



BS - 1 - 2 - 3 - 254 - A5 - 6 - 7 - D18 - 9 - 110 - 11 - WD 13

01,2+0,1

BS · Watertight version

T=10

Contact

T=12

 $\mathsf{BS} \cdot \mathsf{Lever}$ detent mechanism T=14

T=24

6

Kontakt 1

T=16

12.8 10,1+0,1

Mounting

layout



1-pole

3-poles

4-poles



Cor đ













Hole location diagrams as viewed from the mounting side