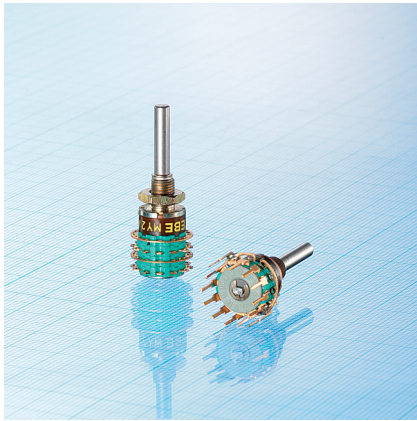


Subminiature Rotary Switch MY



Miniature rotary switch with 1 to 4 wafers.

- Multi-wafer version for conventional wiring.
- Single-wafer switch for direct PCB soldering and optional additional thread for fixing to PCB.
- 1 to 3 circuits per wafer. Detent angles 30°, 36° or 60°.
- Shorting or non-shortening mode of switching.

Special designs:

- Watertight against front panel. Test pressure 0,2 bar.
- Enlarged distance between wafers.
- BCD coding version with detent angle 30°.

1.0 Construction

1.1 Number of wafers max.	4 wafers
1.2 Switching combinations per wafer	—
Design B, detent angle 60°	1x6 to 1x2; 2x3 to 2x2; 3x2
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 on request
1.3 Contacts	Soldering lugs, single wafer-switch also soldering pins
1.4 Mounting	Central mounting, single wafer switch soldered or optional screw mounting

2.0 Electrical Data

	Ag-version	AuNi-version
2.1 Switching power max.	5 VA/W	3 VA/W
2.2 Switching voltage max.	115 V–	60 V–
2.3 Switching current max.	200 mA	100 mA
2.4 Rest current max. at θ_u 20°C	1,5 A	1,5 A
2.5 Test voltage		
between contacts	700 V	700 V
at 50 Hz		
contact / ground	800 V	800 V
2.6 Life expectancy without power	$\geq 25\,000$ cycles	$\geq 25\,000$ cycles
2.7 Contact resistance initial value	$\leq 8\text{ m}\Omega$	$\leq 12\text{ m}\Omega$
2.8 Insulation resistance	$\geq 10^{11}\Omega$	$\geq 10^{11}\Omega$
2.9 Capacity between 2 contacts	$\sim 1\text{ pF}$	$\sim 1\text{ pF}$

3.0 Mechanical Data

3.1 Switching mode	Shorting or non-shortening
3.2 Stops	Fixed or without stop
3.3 Operating torque acc. to design	$\geq 3\text{ Ncm}$
3.4 Stop strength	$\geq 50\text{ Ncm}$ in the case of central mounting $\geq 25\text{ Ncm}$ in the case of soldering mounting
3.5 Fastening torque max.	90 Ncm
3.6 Dust protection	Sealed wafer

4.0 Other Data

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

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.

Dimensional Drawings · Dimensions in mm

Bank	1	2	3	4
Length L	10	14	18	22

MY - 1 - 2 - 3 - 204 - **A5** - 6 - 7 - **DI8** - 9 - 10 - **L11** - **WD13**

MY – With soldering lugs

EMY - 1 - 2 - 3 - 204 - **A5** - 6 - 7 - **DI8** - 9 - 10 - **P11** - **WD13**

EMY – With soldering pins

AMY - 1 - 2 - 3 - 4 - **D5** - 6 - 7 - **DI8** - 9 - 10 - **P11**

AMY – Special version with screw driver slot

CMY - 1 - 2 - 3 - 4 - **D5** - 6 - 7 - **DI8** - 9 - 10 - **P11**

CMY – With additional screw mounting

BMY - 1 - 2 - 3 - **O4** - **N5** - 6 - 7 - **DI8** - 9 - 10 - **P11**

BMY – Special version with operating knob

DMY - 1 - 2 - 3 - **O4** - **N5** - 6 - 7 - **DI8** - 9 - 10 - **P11**

DMY – With additional screw mounting

1-pole 2-poles 3-poles

Hole location diagrams viewed from detent mechanism – detent angle 30°

1-pole 2-poles

Detent angle 36°