

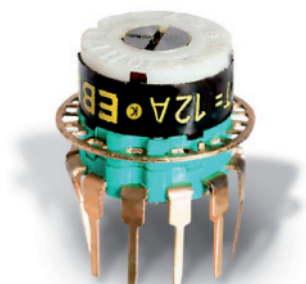
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ROTARY SWITCH COMMUTATORI ROTATIVI

MY

Commutatore rotativo miniaturizzato



Miniature rotary switch with 1 to 4 wafers.

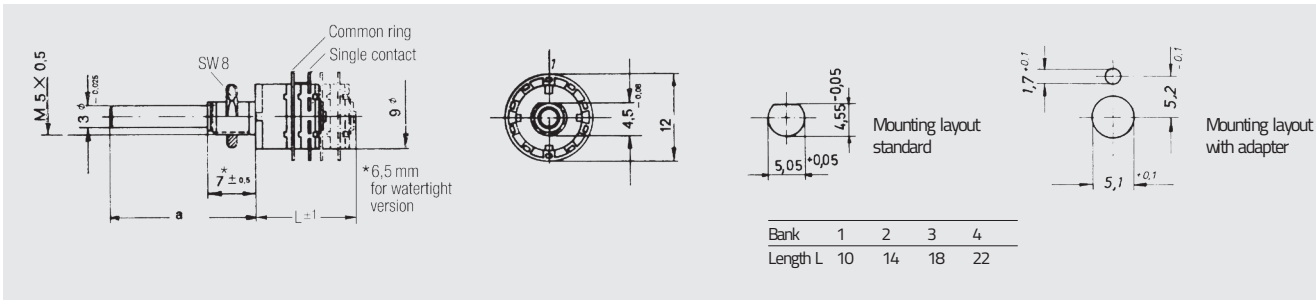
- Multi-wafer version for conventional wiring.
- Single-wafer switch for direct PCB soldering and optional additional thread for fixing to PCB.
- 1 to 3 circuits per wafer.
Detent angles 30°, 36° or 60°.
- Shorting or non-shortening mode of switching.

Special designs:

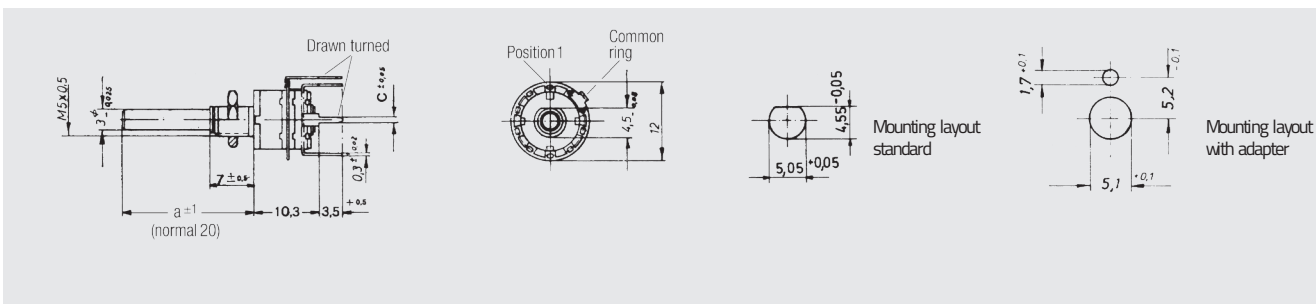
- Watertight against front panel.
Test pressure 0,2 bar.
- Enlarged distance between wafers.
- BCD coding version
with detent angle 30°.

1.0 Const ruction		
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 Elect rical Data		
2.1 Switching power max.	Ag-version	AuNi-version
2.2 Switching voltage max.	5 VA / W	3 VA / W
2.3 Switching current max.	115 V –	60 V –
2.4 Rest current max. at θ_u 20 °C	200 mA	100 mA
2.5 Test voltage	1,5 A	1,5 A
between contacts	700 V	700 V
at 50 Hz	800 V	800 V
contact /ground		
2.6 Life expectancy without power	≥ 25000 cycles	≥ 25000 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	Diallylphthalate, DAP; C code DI	
	Polycarbonate, PC	
4.3 Soldering time and temperature max.	5 s at 260 °C 3 s at 350 °C, manual soldering	

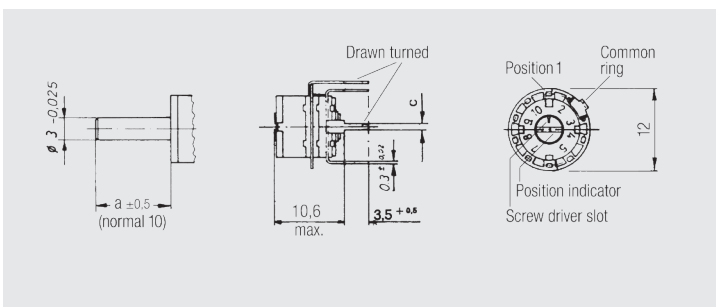
Dimensional Drawings · Dimensions in mm



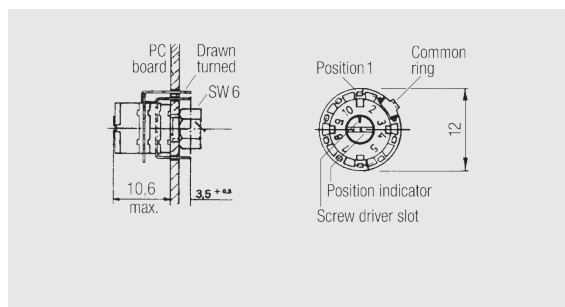
MY – With soldering lugs



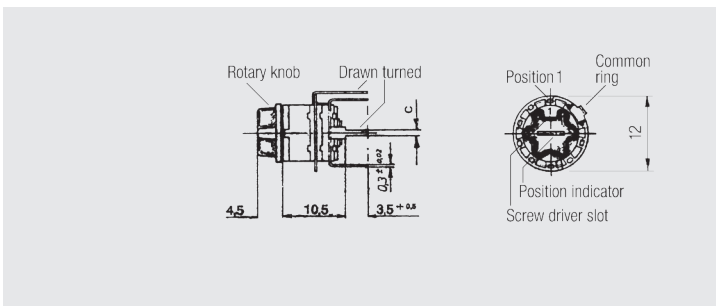
EMY – With soldering pins



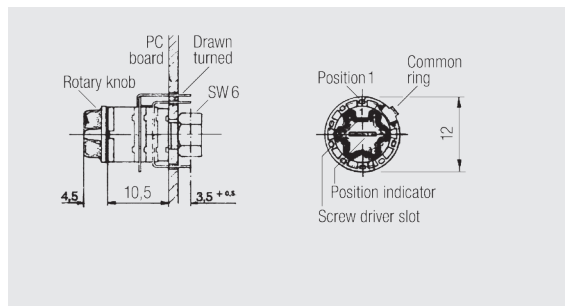
AMY – Special version with screw driver slot



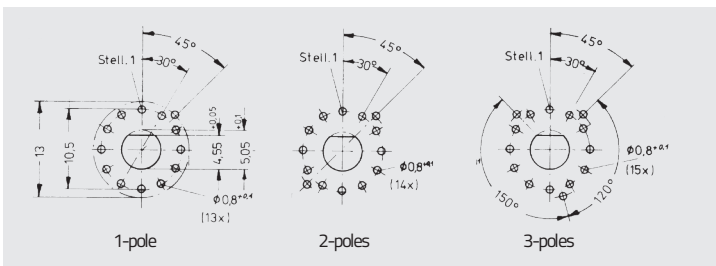
CMY – With additional screw mounting



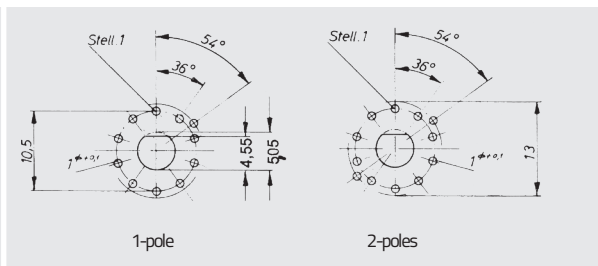
BMY – Special version with operating knob



DMY – With additional screw mounting



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



Detent angle 36°

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