



Engineering Bulletin No RW44 Rotary Wafer Switch - Slimline Indexing Mechanism

General Information

These slim indexing mechanisms provide a reduced dimension behind the panel compared with the standard mechanisms.

Features,	Lower noise from the indexing with energy absorbing moulded components. Exceptional electrical insulation. Low capacitance. Quiet operation with low friction factor. Hygienic and corrosion resistance. High strength moulded bush. No additional lubrication from enclosed indexing mechanism.
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New feature,

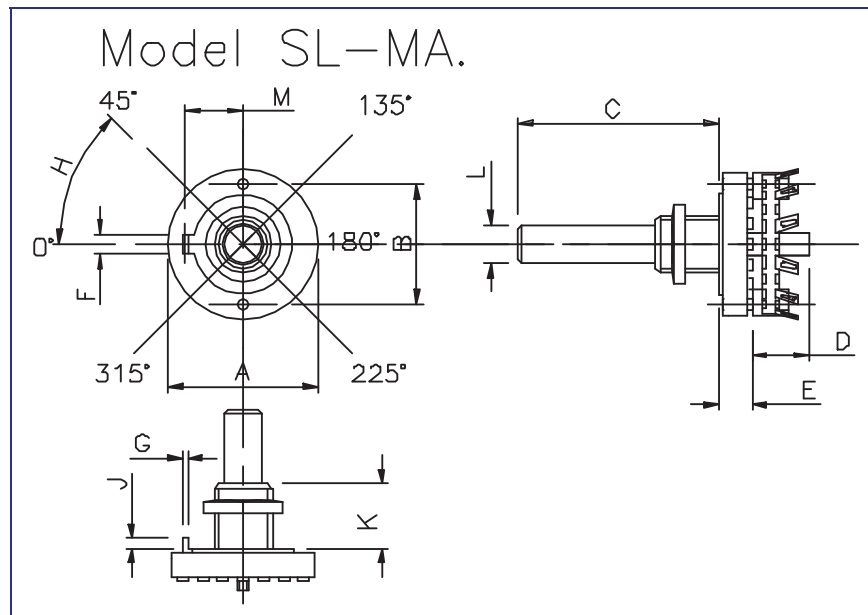
A recent improvement to the action on the 30° mechanism has improved the **positive action** or feel of the switch providing a more precise indexing which is almost impossible to tease indexed positions. To order this option please specify positive action version.

Specification.

Materials :-	
Shaft and index wheel, Adjustable stop plate and Index housing :-	Glass Filled Nylon.
Plunger :-	Polyacetal.
Index springs :-	Spring Music Wire
Torque :-	Standard, 13 oz.ins.
Life :-	20,000 cycles.
Stops :-	One fixed stop in the housing with a rear adjustable stop plate.
Struts :-	Standard 2mm. dia. maximum length 54mm.
Shaft :-	Round, standard :- flats, to order.
Maximum number of wafers per switch :-	3 (depending on total number of poles perswitch).
Maximum number of poles per switch :-	8
Special switching requirements will be considered on request.	
Sealing :-	Not available.

Maximum Switching.

No. of Poles.	30° Index.MA	30° Index.PCA	30° Index. A	36° Index.MA
	12 Positions.	12 Positions.	12 Positions.	10 Positions.
1 Pole.	2 to 12 ways	2 to 12 ways	2 to 12 ways	2 to 10 ways
2 Pole.	2 to 7 ways	2 to 6 ways	2 to 6 ways	2 to 5 ways
3 Pole.	2 to 5 ways	2 to 3 ways	2 to 5 ways	2 to 4 ways
4 Pole.	2 to 4 ways	2 ways only	2 to 4 ways	2 or 3 ways
5 Pole.	2 to 3 ways	-	2 ways only	-
6 Pole.	2 ways only	-	2 ways only	-
7 Pole.	2 ways only	-	-	-



Dimensions Are In Millimetres

Key To Details

- A. Diameter of mechanism ; - 25,4mm
- B. Strut centres ; - 20,6mm
- C. Front shaft ; - 48,6mm maximum
- D. Rear shaft ; - 28,9mm
- E. Mounting face to first wafer ; -
MA model 6,3mm
PCA model and A models 9,5mm
- F. Locating lug width ; - 3,2mm
- G. Location lug thickness ; - 1,5mm
- H. Angle of locating lug : - standard, 0 and 180 degrees ;
to order, 45°, 135°, 225° and 315°
- J. Locating lug depth ; 2,4mm.
Protrudes 1,7mm from mounting face.
- K. Bushing thread length ; 10mm thread M10 x 0,75.
- L. Shaft diameter ; 6mm
- M. Distance of locating lug from centre line through
shaft ; 9,5mm.