

Engineering Bulletin No.44
Slimline Indexing Mechanism for A, MA and PCA wafers.

General Information
compared

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

New feature,

A recent improvement to the action on the 30° mechanism has resulted in a **positive action** feel to the switch. This now means that the selection of the required position is more precise and almost impossible to tease between indexing.

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 switching).

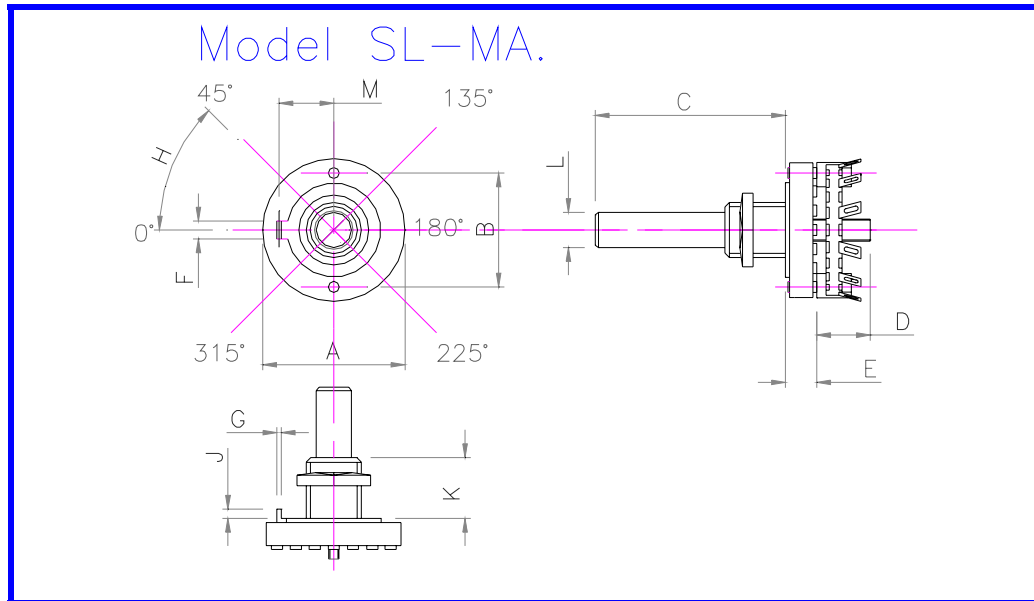
Maximum number of poles per switch :- 8

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.

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