

General Information These versatile miniature switches have 25.4 mm diameter moulded wafers and are available in 2 versions, 36° indexing - having 18 clip positions and 30° indexing - having 22 such positions. 15°, 45° and 60° indexing are variations of the latter. Optional features include concentric shafts, panel and spindle seals, printed circuit termination's and momentary contact models.

Characteristics.

Electrical, Maximum working voltage,	300Vdc/ac (rms).
Contact rating, Current carrying	2amp continuous.
Current breaking with a resistive/non-reactive load.	150mA at 250Vac (rms)..
Proof Voltage.	1000Vrms at sea level.
Insulation resistance.	Not less than 500 megohms at 500Vdc. (between any 2 parts requiring electrical insulation)
Contact resistance (initial).	10 milliohms maximum at 100mV (rms). 100mA.max.
Mechanical.	
End stop strength.	0,8 ± 0,1 Nm (114oz.in.)
	Temperature range. -40°C. to +100°C.

Maximum Switching Per Wafer

No. of Poles.	36° MU-MA (b)	30° MU-MA (a)	45° MU-MA (c)	60° MU-MA (d)	15° MU-MG
	10 Positions.	12 Positions.			2 wafers
1 Pole.	2 to 10 ways	2 to 12 ways	2 to 8 ways	2 to 6 ways	providing 1 pole
2 Pole.	2 to 5 ways	2 to 7 ways	(fixed stop at	2 to 6 ways	24 way
3 Pole.	2 to 4 ways	2 to 5 ways	positions 3, 5,	2 or 3 ways	switching.
4 Pole.	2 or 3 ways	2 to 4 ways	and 7 ways)	2 or 3 ways	
5 Pole.	-	2 to 3 ways		2 ways only	
6 Pole.	-	2 ways only		on-off	
7 Pole.	-	2 ways only		-	

Index Mechanism.

The Type MU mechanism provides indexing angles of 30°, 36°, 45° and 60°, (see Bulletin RW36 for full technical details).

The low friction moulded cam followers in the assembly ensures a smooth indexing action.

Balance pressure springs provide consistent and readily reproducible total switch torque values within the following ranges.

Light	7 to 18 x 10 ⁻² Nm (10 to 26 oz, ins,)	Medium	14 to 32 x 10 ⁻² Nm (20 to 46 oz, ins,)
High	28 to 56 x 10 ⁻² Nm (40 to 80 oz, ins,)		

Type A indexing mechanism may also be used as an alternative where a simpler, space saving mechanism is required. The switch then becomes model A-MA. 30° indexing only.

Contacts & Termination's.

Standard. Silver plated brass.
 Alternatives. - Hard gold plated or silver contacts are available at extra cost as are contacts with gold flash.
 Termination's. - Forward, standard: Straight, alternative.

Rotor Blades.

Standard. - Shorting. (make before break. MBB.)
 Alternative. - Non-shorting. (break before make. BBM.)

Insulation.

Stator. - Moulded glass fibre loaded diallylphthalate (DAP)
 Rotor. - Polycarbonate.

Finish.

Index Springs, Stainless steel: other metal parts, passivated zinc plated. Finishes to order.

Mounting Details.

Imperial (standard).	Metric (alternative)
Bush 3/8" x 32TPI (Whit.)	M10 x 0.75.
Shaft 0.25" dia.	6mm, dia.
Nut 0.525" A/F.	14mm A/F.

