

ROTARY SWITCH

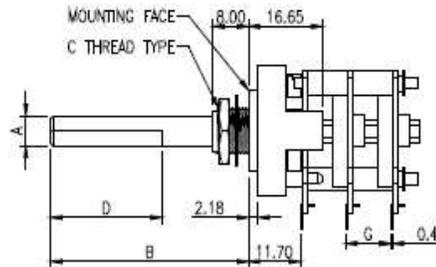
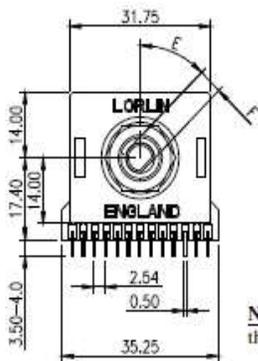
PT ROTARY SWITCH

ELECTRICAL & MECHANICAL SPECIFICATION

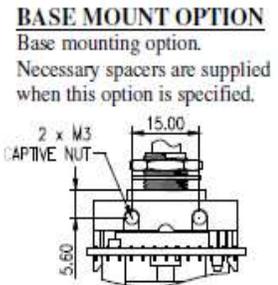
Switch Rating:	150mA @ 24V ac/dc	Life:	>10,000 Cycles
Proof Voltage:	1,000Vac (Initial)	Operating Temperature:	-30°C to +85°C
Insulation Resistance:	>999 MΩ at 500V dc (Initial)	Operating Torque (nominal):	Standard 5.6 cNm
Contact Resistance	<20 mΩ (Initial)	End Stop Torque (nominal):	0.8 Nm
Moving Contact Material:	Phosphor Bronze Ag Plated	Contact Carrier Material:	Polycarbonate
Printed Circuit Track Material	Copper Ag Plated	Wafer Circuit Board Material	Epoxy Glass Fibre
Terminal Material:	Brass, CZ108 Sn Plated	Spindle Material	Frianyl A63 V0GV25
		Housing/Bush Material	Polyamide 6.6 G.F V0 Rated

FEATURES

Multi wafer PCB switch	Adjustable stops to restrict number of positions	Standard 30° indexing, 36°, 60° and 90° also available
Standard insulated spacers (6.35mm, 7.63mm, 10.16mm)	Spindles with special sizes and flats	
Made in UK	Standard silver contacts, gold flashed or gold plated also available	Shorting (MBB) make before break or Non-Shorting (BBM) break before make

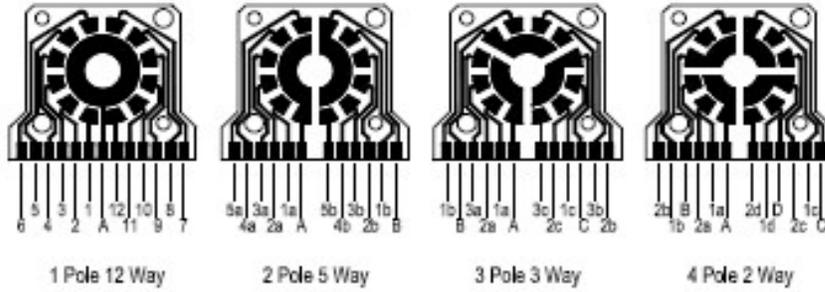


Note: OPTIONAL SPINDLE FLAT SHOWN. The Angle of the spindle flat is shown when the switch is set in the fully anti-clockwise position (ie position1) viewed from the knob end on the spindle.

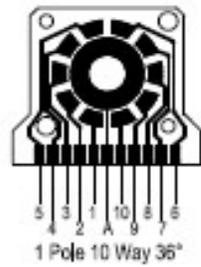


No. Of Poles	MAXIMUM NUMBER OF POSITIONS (WAYS) PER WAFER			
	30 ° Index	36 ° Index	60 ° Index	90 ° Index
1	12 No Stops	10	6	4
2	5	-	3	2
3	3	-	2	OFF-ON
4	2	-	OFF-ON	-

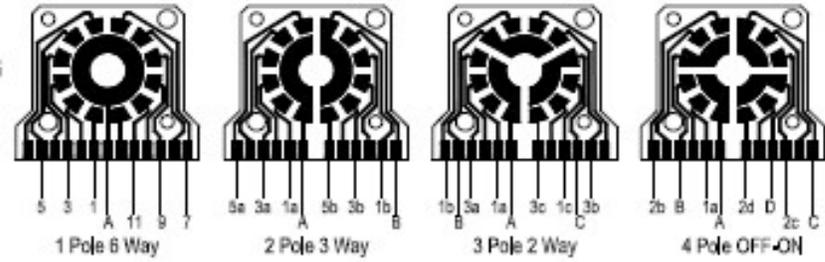
PC TERMINAL LAYOUT VIEWED FROM THE KNOB END OF THE SPINDLE 30° INDEXING



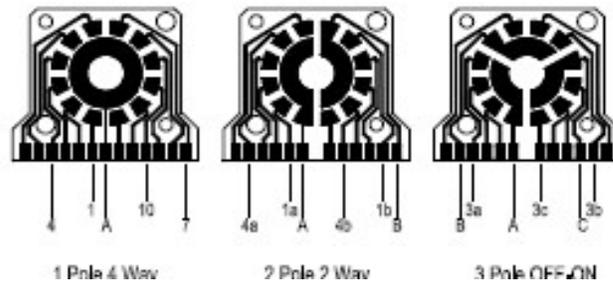
PC TERMINAL LAYOUT VIEWED FROM THE KNOB END OF THE SPINDLE 36° INDEXING



PC TERMINAL LAYOUT VIEWED FROM THE KNOB END OF THE SPINDLE 60° INDEXING



PC TERMINAL LAYOUT VIEWED FROM THE KNOB END OF THE SPINDLE 90° INDEXING



SINGLE WAFER PT PART NUMBERS AND SPINDLE DIMENSIONS

CIRCUITRY AT 30° INDEXING	STANDARD METRIC		STANDARD IMPERIAL	
	Shorting (MBB)	Non Shorting (BBM)	Shorting (MBB)	Non Shorting (BBM)
1 Pole 12 positions	PT6034	PT6003	PT6172	PT6015
1 Pole 12 Positions – No Stop	-	PT6002	-	PT6014
2 Pole 5 Positions	PT6035	PT6004	PT6474	PT6016
3 Pole 3 Positions	-	PT6005	-	PT6017
4 Pole 2 Positions	-	PT6006	-	PT6018
1 Pole 10 Positions (circuitry at 36° indexing)	-	PT6461	-	PT6462

STANDARD DIMENSIONS							
	A	B	C	D	E	F	G
	SPINDLE DIAMETER	SPINDLE LENGTH	BUSH THREAD	SPINDLE FLAT LTH	SPINDLE ANGLE	SPINDLE FLAT DP	SPACER LENGTH
IMPERIAL	6.35mm	50mm	9.52 x 32TP	No Flat	-	(5.5mm)	-
METRIC	6.0mm	50mm	M10 x 0.75	No Flat	-	(5.0mm)	-

ORDERING CODE FOR OTHER TYPES

