LORLIN

ROTARY SWITCH

PT

PT ROTARY SWITCH

ELECTRICAL & MECHANICAL SPECIFICATION

Switch Rating:	150mA @ 24V ac/dc
Proof Voltage:	1,000Vac (Initial)
Insulation Resistance:	>999 MΩ at 500V dc (Initial)
Contact Resistance	<20 mΩ (Initial)
Moving Contact Material:	Phosphor Bronze Ag Plated
Printed Circuit Track Material	Copper Ag Plated
Terminal Material:	Brass, CZ108 Sn Plated

Life:	>10,000 Cycles
Operating Temperature:	-30°C to +85°C
Operating Torque (nominal):	Standard 5.6 cNm
End Stop Torque (nominal):	0.8 Nm
Contact Carrier Material:	Polycarbonate
Wafer Circuit Board Material	Epoxy Glass Fibre
Spindle Material	Frianyl A63 V0GV25
Housing/Bush Material	Polyamide 6.6 G.F V0 Rated

FEATURES

Multi wafer PCB switch

Standard insulated spacers (6.35mm, 7.63mm, 10.16mm)

Made in UK

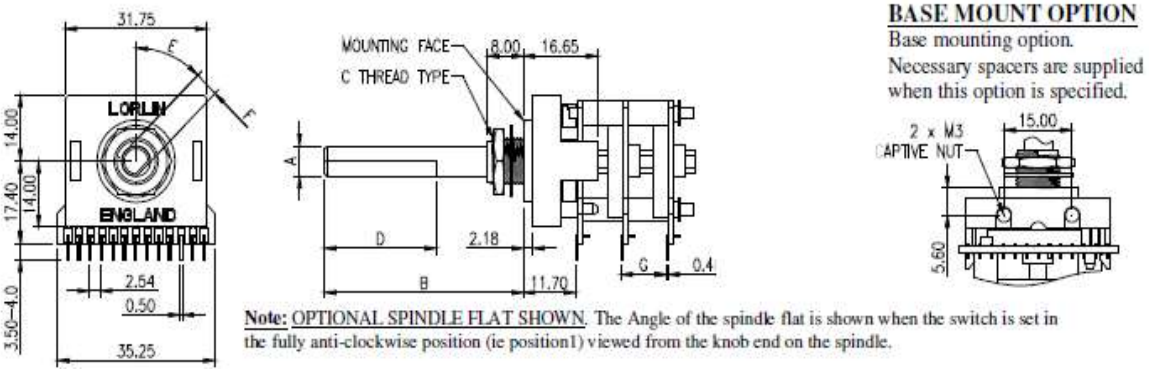
Adjustable stops to restrict number of positions

Spindles with special sizes and flats

Standard silver contacts, gold flashed or gold plated also available

Standard 30° indexing, 36°,60° and 90° also available

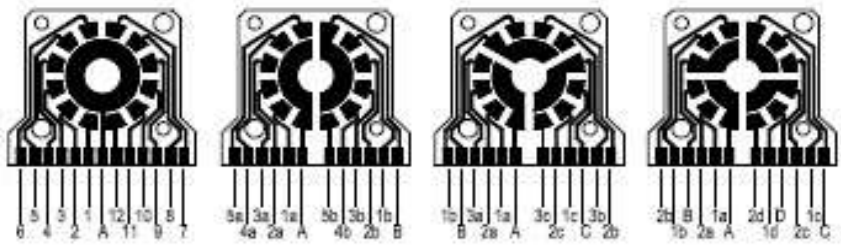
Shorting (MBB) make before break or Non-Shorting (BBM) break before make



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.

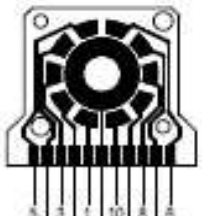
	MAXIMUM NUMBER OF POSITIONS (WAYS) PER WAFER			
No. Of Poles	**30 ° Index**	**36 ° Index**	**60 ° Index**	**90 ° Index**
1	12 No Stops	10	6	4
2	5	-	3	2
3	3	-	2	OFF-ON
4	2	-	OFF-ON	-

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



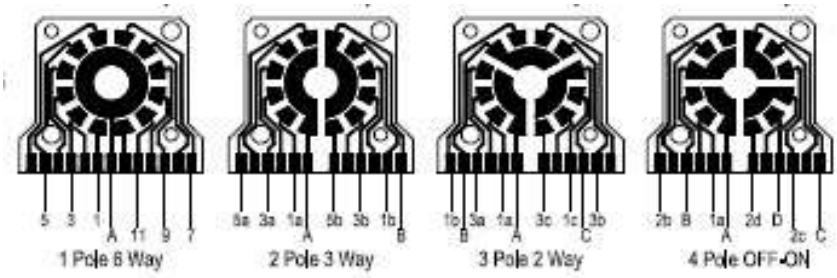
1 Pole 12 Way 2 Pole 5 Way 3 Pole 3 Way 4 Pole 2 Way

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



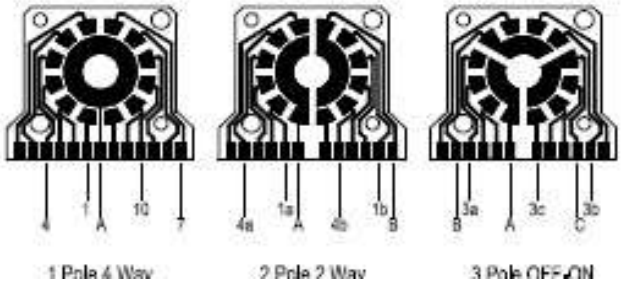
1 Pole 10 Way 36°

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



1 Pole 6 Way 2 Pole 3 Way 3 Pole 2 Way 4 Pole OFF-ON

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



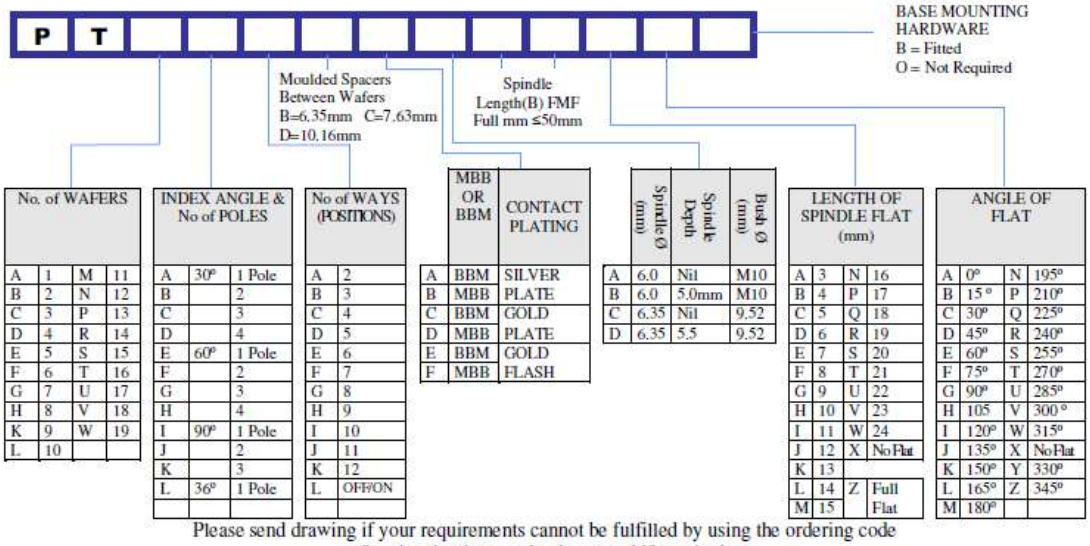
1 Pole 4 Way 2 Pole 2 Way 3 Pole OFF-ON

SINGLE WAFER PT PART NUMBERS AND SPINDLE DIMENSIONS

	STANDARD METRIC		STANDARD IMPERIAL	
CIRCUITRY AT 30° INDEXING	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 32TPI	No Flat	-	(5.5mm)	-
METRIC	6.0mm	50mm	M10 x 0.75	No Flat	-	(5.0mm)	-

ORDERING CODE FOR OTHER TYPES



No. of WAFERS			
A	1	M	11
B	2	N	12
C	3	P	13
D	4	R	14
E	5	S	15
F	6	T	16
G	7	U	17
H	8	V	18
K	9	W	19
L	10		

INDEX ANGLE & No of POLES		
A	30°	1 Pole
B		2
C		3
D		4
E	60°	1 Pole
F		2
G		3
H		4
I	90°	1 Pole
J		2
K		3
L	36°	1 Pole

No of WAYS (POSITIONS)	
A	2
B	3
C	4
D	5
E	6
F	7
G	8
H	9
I	10
J	11
K	12
L	OFF/ON

MBB OR BBM	CONTACT PLATING
A	BBM	SILVER
B	MBB	PLATE
C	BBM	GOLD
D	MBB	PLATE
E	BBM	GOLD
F	MBB	FLASH

	Spindle Ø (mm)	Spindle Depth	Bush Ø (mm)
A	6.0	Nil	M10
B	6.0	5.0mm	M10
C	6.35	Nil	9.52
D	6.35	5.5	9.52

LENGTH OF SPINDLE FLAT (mm)			
A	3	N	16
B	4	P	17
C	5	Q	18
D	6	R	19
E	7	S	20
F	8	T	21
G	9	U	22
H	10	V	23
I	11	W	24
J	12	X	No Flat
K	13		
L	14	Z	Full Flat
M	15		

ANGLE OF FLAT			
A	0°	N	195°
B	15°	P	210°
C	30°	Q	225°
D	45°	R	240°
E	60°	S	255°
F	75°	T	270°
G	90°	U	285°
H	105	V	300°
I	120°	W	315°
J	135°	X	No Flat
K	150°	Y	330°
L	165°	Z	345°
M	180°		

Please send drawing if your requirements cannot be fulfilled by using the ordering code
Special circuitry can be developed if required.