

# LOCK SWITCH

## RAL LOCK SWITCH WITH A ROTARY SWITCH MODULE

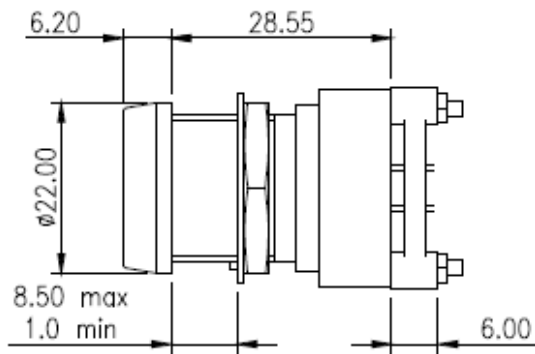
### ELECTRICAL & MECHANICAL SPECIFICATION

<p><b>Switch Rating:</b> (Resistive load only)</p> <p><b>Proof Voltage:</b></p> <p><b>Insulation Resistance:</b></p> <p><b>Contact Resistance</b></p> <p><b>Contact/Terminal Material:</b></p>	<p>150mA @ 250V ac/dc 350mA @ 110V ac/ dc 1A @ 12V ac/dc</p> <p>1,000V ac (Initial)</p> <p>&gt;999 MΩ at 500V dc (Initial)</p> <p>&lt;20 mΩ (Initial)</p> <p>Brass CZ108 Ag Plated</p>	<p><b>Life:</b></p> <p><b>Operating Temperature:</b></p> <p><b>Operating Torque (nominal):</b></p> <p><b>End Stop Torque (nominal):</b></p> <p><b>Lock Housing Material:</b></p> <p><b>Keys Material:</b></p> <p><b>Wafer Material:</b></p>	<p>&gt;10,000 Cycles</p> <p>-30°C to +85°C</p> <p>7.2Nm</p> <p>1.2Nm</p> <p>Zinc Alloy Bright Cr Plated</p> <p>Mild Steel Ni Plated</p> <p>Polyphenylene Sulphide (PPS)</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

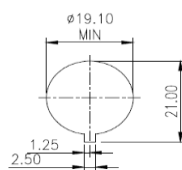
### FEATURES

<p>Single or Multi wafer</p> <p>Up to 5 poles per switch</p> <p>Solder or PCB terminals</p> <p>Silver contacts</p> <p>Gold flashed or gold plated also available</p>	<p>2 keys per switch as standard</p> <p>Key inserted/removeable 60° or 90°</p> <p>Common or differ keys</p> <p>200 combinations</p> <p>Master key system available</p>	<p>Non-shorting BBM (break before make) or Shorting MBB (make before break)</p> <p>60° or 90° switch indexing</p> <p>5-disc lock</p>	<p>Two stage assembly: lock inserted from the inside and the lock bezel screws on from the front to secure the assembly</p> <p>Max panel thickness 8.5mm</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------

### SINGLE WAFER RAL LOCKSWITCH



#### PANEL PIERCING



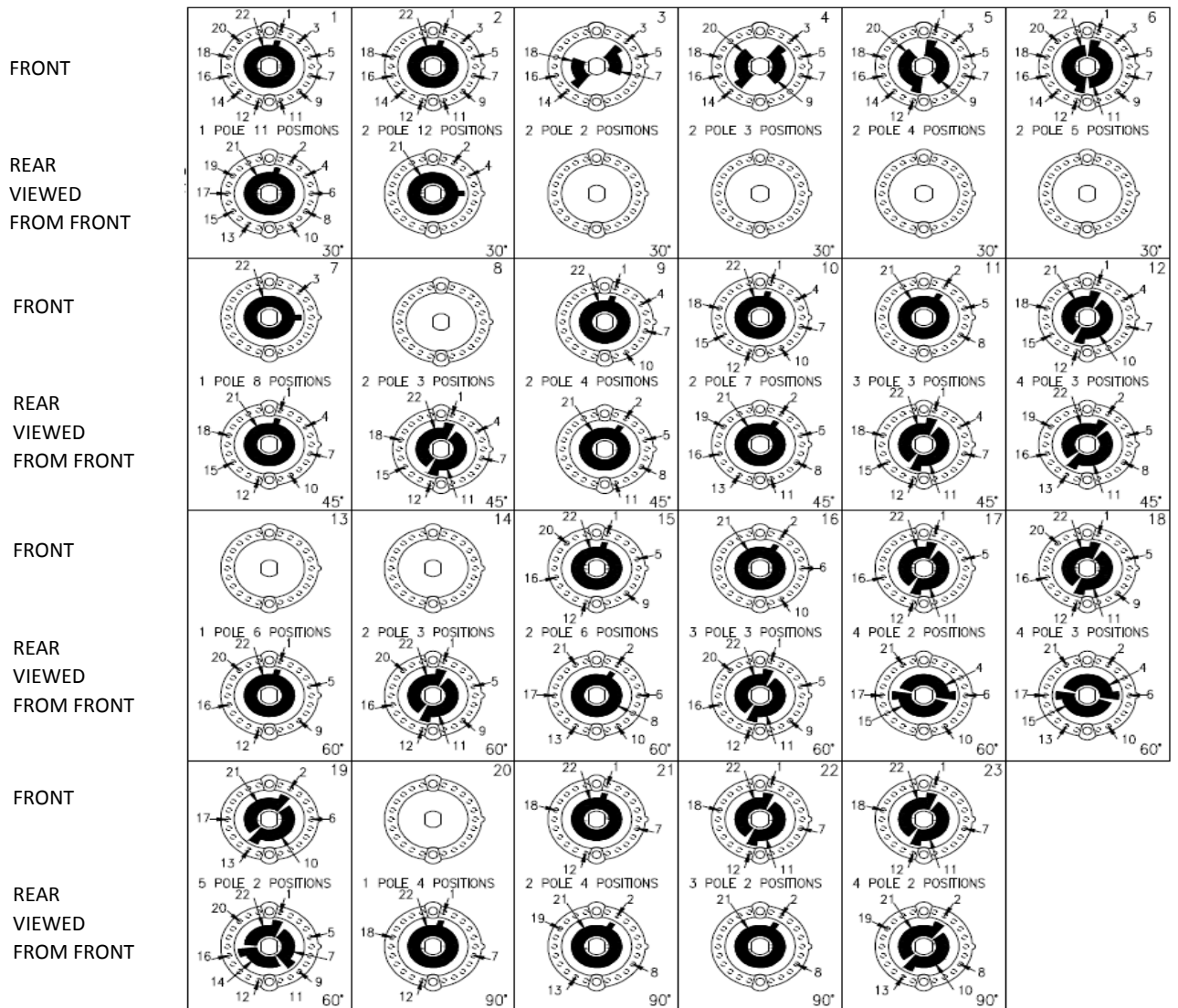
#### LOCK MOVEMENT DESC.



STANDARD CIRCUITRY AND KEY WITHDRAWAL POSITIONS

INDEXING ANGLE	STANDARD CIRCUITS NON SHORTING CONTACTS SOLDER TERMINALS						TOTAL SWITCH MOVEMENT	KEY FREE POSITIONS				
	1 POLE	2 POLE	3 POLE	4 POLE	5 POLE	6 POLE		KRA	5RAL (200KEY DIFFERS)		8RAL (200KEY DIFFERS)	
								(200KEY DIFFERS) (KEY FREE 60° STEPS)	-001 (KEY FREE 90° STEPS)	-002 (KEY FREE 60° STEPS)	-001 (KEY FREE 90° STEPS)	-002 (KEY FREE 60° STEPS)
30°	2 WAY	2 WAY	2 WAY	2 WAY	2 WAY	2 WAY	0°-30°	1	1		1	
	3 WAY	3 WAY	3 WAY	3 WAY	3 WAY		0°-60°	1+3	1	1+3	1	1+3
	4 WAY	4 WAY	4 WAY	4 WAY			0°-90°		1/1+4		1/1+4	
	5 WAY	5 WAY	5 WAY				0°-120°	1+3+5	1/1+4	1+3+5	1/1+4	1+3+5
	6 WAY	6 WAY					0°-150°		1/1+4		1/1+4	
	7 WAY	7 WAY					0°-180°	1+3+5+7	1+7/1+4+7	1+3+5+7	1+7/1+4+7	1+3+5+7
	8 WAY						0°-210°					
	9 WAY						0°-240°	1+3+5+7+9		1+3+5+7+9		1+3+5+7+9
	10 WAY						0°-270°		1+4+7+10		1+4+7+10	
	11 WAY						0°-300°					
	12 WAY						0°-330°					
	12 WAY						0°-360° No Stop	1+3+5+7+9+11	1+7/1+4+7+10	1+3+5+7+9+11	1+7/1+4+7+10	1+3+5+7+9+11
45°	2 WAY	2 WAY	2 WAY	2 WAY			0°-45°		1		1	
	3 WAY	3 WAY	3 WAY	3 WAY			0°-90°		1/1+4		1/1+4	
	4 WAY	4 WAY					0°-135°					
	5 WAY	5 WAY					0°-180°	1+7	1+7/1+4+7		1+7/1+4+7	
	6 WAY	6 WAY					0°-225°					
	7 WAY	7 WAY					0°-270°		1+4+7+10		1+4+7+10	
	8 WAY						0°-315°					
	8 WAY						0°-360° No Stop	1+7	1+4+7+10		1+4+7+10	
60°	2 WAY	2 WAY	2 WAY	2 WAY	2 WAY		0°-60°	1/1+3	1	1+3	1	1+3
	3 WAY	3 WAY	3 WAY	3 WAY			0°-120°	1+3+5	1	1+3+5	1	1+3+5
	4 WAY	4 WAY					0°-180°	1+3+5+7	1+7/1+4+7	1+3+5+7	1+7/1+4+7	1+3+5+7
	5 WAY	5 WAY					0°-240°	1+3+5+7+9		1+3+5+7+9		1+3+5+7+9
	6 WAY	6 WAY					0°-300°					
	6 WAY	6 WAY		2 WAY			0°-360° No Stop	1+3+5+7+9+11	1+7/1+4+7+10	1+3+5+7+9+11	1+7/1+4+7+10	1+3+5+7+9+11
90°	2 WAY	2 WAY	2 WAY				0°-90°		1/1+4		1/1+4	
	3 WAY	3 WAY					0°-180°	1+7	1+7/1+4+7		1+7/1+4+7	
	4 WAY	4 WAY					0°-270°		1+7/1+4+7+10		1+7/1+4+7+10	
	4 WAY	4 WAY					0°-360° No Stop	1+7	1+7/1+4+7+10		1+7/1+4+7+10	

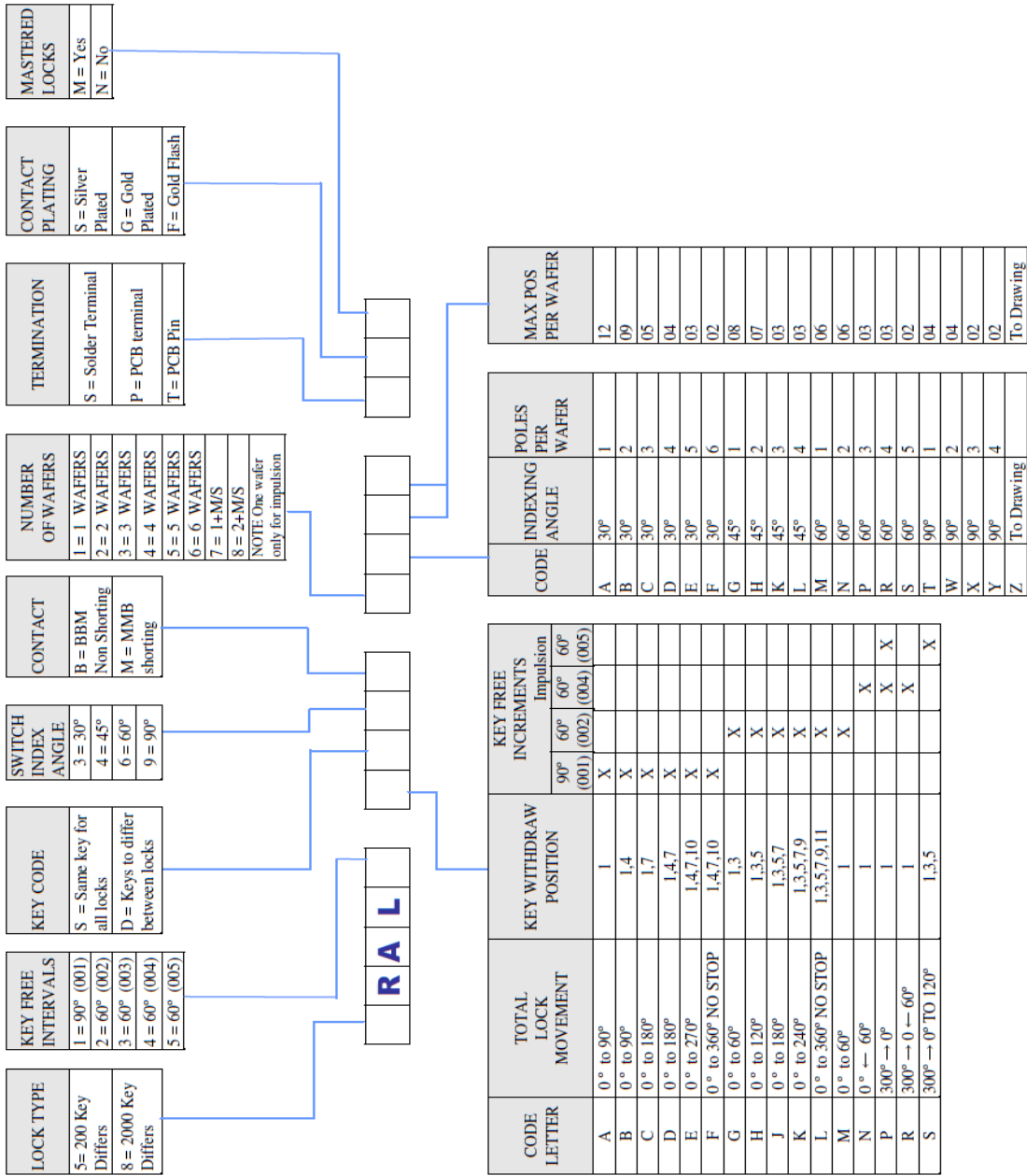
## TYPICAL WAFER LAYOUTS 30°, 45°, 60° AND 90°



WAFERS ABOVE ARE VIEWED FROM THE FRONT OF THE SWITCH IN THE FURTHEST COUNTER CLOCKWISE POSITION.

CIRCUITY IS SHOWN AS BREAK BEFORE MAKE (BBM) NON-SHORTING.  
 MAKE BEFORE BREAK (MBB) OPTIONS ARE ALSO AVAILABLE

# ORDERING CODE



CODE	INDEXING ANGLE	POLES PER WAFER	MAX POS PER WAFER
A	30°	1	12
B	30°	2	09
C	30°	3	05
D	30°	4	04
E	30°	5	03
F	30°	6	02
G	45°	1	08
H	45°	2	07
K	45°	3	03
L	45°	4	03
M	60°	1	06
N	60°	2	06
P	60°	3	03
R	60°	4	03
S	60°	5	02
T	90°	1	04
W	90°	2	04
X	90°	3	02
Y	90°	4	02
Z	To Drawing	To Drawing	To Drawing