

A range of 10A rotary switches with housings and handles. Basic On-Off and Changeover units are stocked. Other multi-position and multi-pole switch arrangements can be made up to order. They can be used in applications for main and auxiliary circuits; as motor switches; for control circuits, electrical heating and illuminating circuits or as ammeter/voltmeter changeover switches.

Standard Specification

All switches are manufactured and tested in accordance with IEC947, EN60947, VDE0660 specifications and are CE labelled

Switch ratings	IEC EN	UL CSA
Voltages		
Operational Voltage	440V	300V
Isolating Voltage	250V	250V
Resistance to surge voltage	4kV	4kV
Insulation Voltage	690V	-
Currents		
Uninterrupted Current	10A	10A
Operational Current		
AC-21A Switching resistive loads	10A	-
AC-1 Resistive loads	10A	-
AC-15 Control of electromagnetic loads	220-240V 2.5A	-
	380-440V 1.5A	-
Heavy Duty	300V	10A
Operational Power at 50/60Hz		
AC-23A Switching of motor/inductive loads		
3 phase, 3 pole	220-240V 1.8kW	-
	380-440V 3kW	-
1 phase, 2 pole	110V 0.37kW	-
	220-240V 0.75kW	-
	380-440V 1.1kW	-
AC-3 Start/Stop Squirrel Cage motors		
3 phase, 3 pole	220-240V 1.5kW	-
	380-440V 2.2kW	-
1 phase, 2 pole	110V 0.3kW	-
	220-240V 0.55kW	-
	380-440V 0.75kW	-
DOL Start Squirrel Cage motor		
3 phase, 3 pole	120V -	1HP
	240V -	1HP
1 phase, 2 pole	120V -	0.33HP
	240V -	0.75HP



A 2 position, 2 pole switch with black handle and black bezel
Product Code: RMKY/K-RB10/2/2

Features

- supplied as switch/handle/housing assemblies only
- gold plated contacts
- open terminals accessible from mounting direction
- captive terminal screws
- housings suitable for 19 or 22.5mm panel holes
- 30mm handle assembly with chrome or plastic bezel

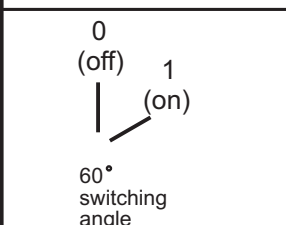
Optional Extras

In addition to the standard units described in this data sheet we can also supply special switch combinations:

- up to 12 switching positions
- multi pole assemblies for virtually any switching arrangement
- engraved legend plates to order
- control switches with spring return
- 30/60 degree or 45/90 degree switching angles

Mechanical life: greater than 1 million operations
Ambient temperature (open): +50/-25 deg C
Ambient temperature (enclosed): +40/-25 deg C
Rated frequency range: 50/60 Hz
Maximum fuse size (gL): 10A
Rated fused short circuit current: 3kA

Switching Diagrams

ON-OFF SWITCHES	Switch Code	RB10/2/1	RB10/2/2	RB10/2/3	RB10/2/4	RB10/2/6
	No of Poles	1	2	3	4	6
	Terminal No	1	1 3	1 3 5	1 3 5 7	1 3 5 7 9 11
	Terminal No	2	2 4	2 4 6	2 4 6 8	2 4 6 8 10 12
	0 (off)					
	1 (on)					
CHANGEOVER SWITCHES	Switch Code	RB10/3/1	RB10/3/2	RB10/3/3	RB10/3/4	
	No of Poles	1	2	3	4	
	Terminal No	1	1 5	1 5 9	1 5 9 13	
	Terminal No	2 4	2 4 6 8	2 4 6 8 10 12	2 4 6 8 10 12 14 16	
	1 (man)					
0 (off)						
2 (auto)						

SLIC RB10

Rotary Switches 10A 19mm and 22.5mm



Product Data Sheet 130/2 Issue 1

Finding the correct Product Code

Choose the panel hole diameter and then the handle and bezel types. Handles are clear or solid black polycarbonate. Bezels are black polycarbonate or chrome plated brass. Enter the handle assembly product code and switch body number. **Handles and switch bodies can only be ordered together.**

Product Code Arrangement

HANDLE ASSEMBLY — SWITCH BODY ASSEMBLY

HANDLE ASSEMBLY	Panel Hole diameter mm	Handle Definition				
		Handle Colour	Bezel Colour	Keyway Washer	Housing Body	
	19	Black	Black	M	MP	RMKY/K
	19	Black	Chrome	M	MP	RMY/K
	22.5	Black	Black	F	FP	RFKY/K
	22.5	Black	Chrome	F	FP	RFY/K

SWITCH BODY ASSEMBLY		Positions	Poles	
		On - Off	2	1
		2	2	RB10/2/2
		3	3	RB10/2/3
		4	4	RB10/2/4
		6	6	RB10/2/6
Changeover	3	1	1	RB10/3/1
		2	2	RB10/3/2
		3	3	RB10/3/3
		4	4	RB10/3/4
Specials	Many combinations of multi-way, multi-pole & spring return switches are available to order. Contact Technical Sales for details and Product Codes.			

Example

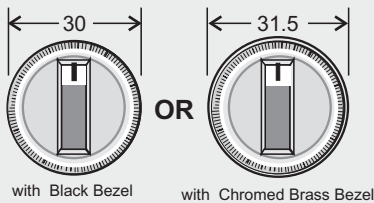
Product Code: RFY/K-RB10/3/3

A 3way, 3pole 10 Amp rotary changeover switch and handle assembly suitable for 22.5mm diameter panel hole. The handle is black polycarbonate and the bezel chromed brass. An F Keyway Washer, which prevents the switch rotating in the panel, is supplied as part of the Handle Assembly.

The Switch Body and Handle Assembly are not supplied assembled

Dimensions, Weights and Assembly Details

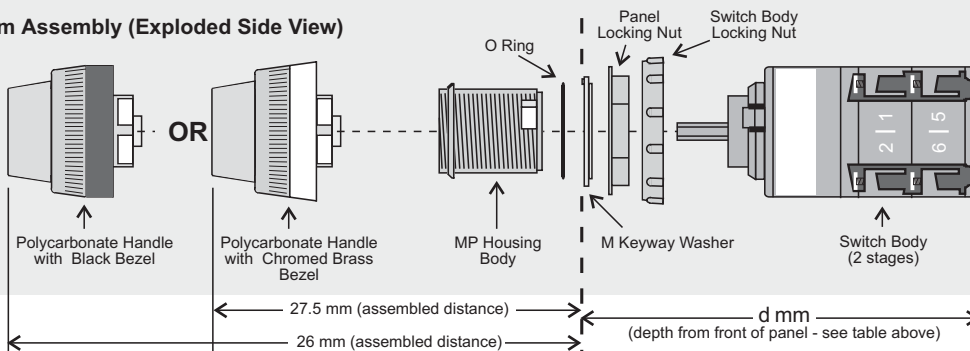
Polycarbonate Handles (front view)



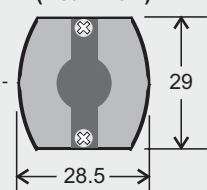
Weights & Dimension d

No of Stages	d mm	Total Weights gms (handle assy + switch body)				Switch Body Product Code
		RMKY/K	RMY/K	RFKY/K	RFY/K	
1	55	39	43	40	44	RB10/2/1, RB10/2/2, RB10/3/1
2	67	50	54	51	55	RB10/2/3, RB10/2/4, RB10/3/2
3	79	61	65	62	66	RB10/2/6, RB10/3/3
4	91	72	76	73	77	RB10/3/4

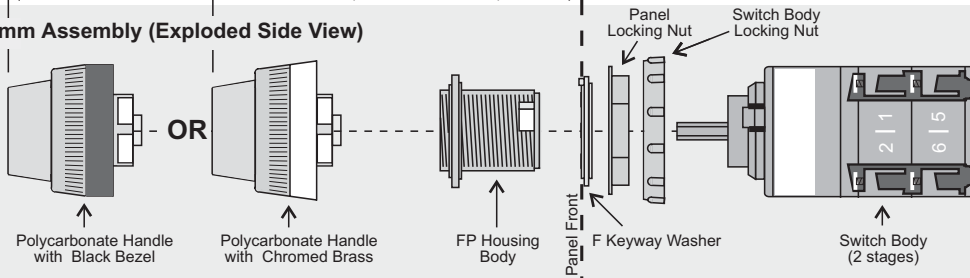
19mm Assembly (Exploded Side View)



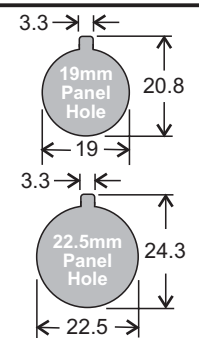
Switch Assembly (Rear View)



22.5mm Assembly (Exploded Side View)



Panel Hole Dimensions mm



Fix components this side of panel line from the front | Fix components this side of panel line from the rear