

MINIATURE CIRCUIT BREAKER

**RKB3-63****MINIATURE CIRCUIT BREAKER**

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- A circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by excess current from an overload or short circuit.
- Its basic function is to interrupt current flow after a fault is detected.
- The installation, maintenance and replacement of this device must only be carried out by a qualified electrician.
- It is in conformity with IEC 60947-2 and VC8036 standard.

Rated Operational Voltage	VAC	240 / 415
Poles	P	1P, 2P, 3P, 4P
Rated Current	A	1,2,3,4,6,10,16,20,25,32,40,50,63
Rated Frequency	Hz	50/60
Rated breaking capacity	kA	6
Thermo-magnetic release characteristic	Curve	C - Blue Toggle
Degree of Protection	IP	20
Electrical Endurance Cycle	Times	4000
Mechanical Endurance Cycle	Times	10000
Operating Temperature	°C	-25... +60

PRIDUCT CODE EXAMPLE

BASE NO.	KA RATING	POLES	AMPERAGE	CURVE
RKB3-63	6	1P	20A	C
		4P	63A	C
EXAMPLE		RKB3-C63-120		
		RKB3-C63-463		

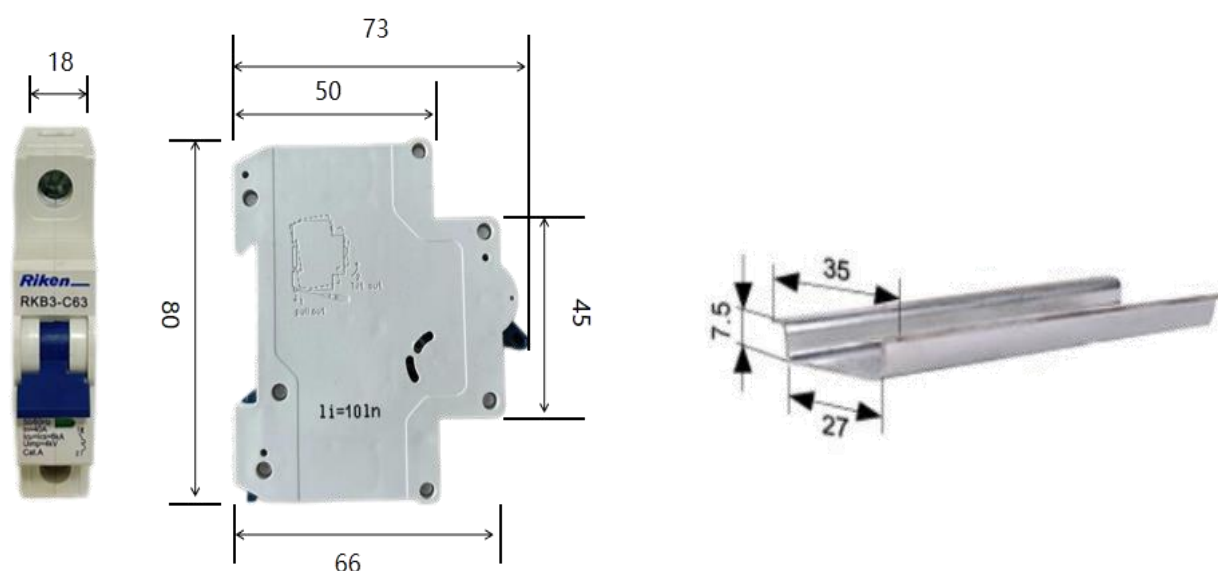
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TEMPERATURE DERATING

- The maximum permissible current in a circuit breaker depends on the ambient temperature where the circuit breaker is placed.
- Ambient temperature is the temperature inside the enclosure or switchboard in which the circuit breakers are installed.
- South Africa is calibrated at 40°C.

Rated Current In(A)	Temperature compensation rate corresponding to different temperatures									
	-25°C	-15°C	-5°C	-0°C	-10°C	-20°C	-30°C	-40°C	-50°C	-60°C
1	1.26	1.23	1.19	1.15	1.11	1.05	1	0.96	0.93	0.88
2	2.52	2.46	2.38	2.28	2.2	2.08	2	1.92	1.86	1.76
3	3.78	3.69	3.57	3.42	3.3	3.12	3	2.88	2.79	2.64
4	5.04	4.92	4.76	4.56	4.4	4.16	4	3.84	3.76	3.52
6	7.56	7.38	7.14	6.84	6.60	6.24	6	5.76	5.64	5.28
10	12.70	12.50	12.00	11.50	11.1	10.60	10	9.60	93.00	8.90
16	20.48	20.00	19.20	18.40	17.8	16.96	16	15.36	14.88	14.24
20	25.60	25.00	24.00	23.00	22.2	21.20	20	19.20	18.60	17.80
25	32.00	31.25	30.00	28.75	27.75	26.50	25	24.00	23.25	22.25
32	41.28	40.00	38.72	37.12	35.5	33.92	32	30.72	29.76	28.16
40	51.20	50.00	48.00	46.40	44.8	42.40	40	38.40	37.20	35.60
50	65.50	63.00	60.50	58.00	56.0	53.00	50	48.00	46.50	44.00
63	81.90	80.01	76.86	73.71	70.56	66.78	63	60.48	58.90	55.44

DIMENSIONS (MM) AND MOUNTING



TRIPPING CURVE

