


<b>ENGINEERING SHEET</b>	TITLE	BK63J MINIATURE CIRCUIT BREAKER	CODE	WORK CODE
		SPECIFICATION		

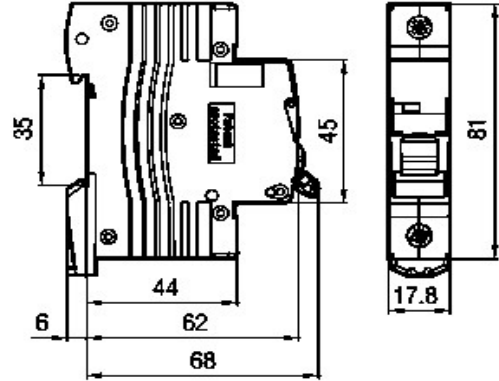
**Technical data**

Type	BK63J	
Protection	Overload and short circuit	
Rate current	1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A	
Characteristics	B,C,D curve	
Number of poles	1P, 1P+N, 2P, 3P	
Breaking capacity	1P	2, 3P
	6kA at 240/415VAC	6kA at 415VAC
Standards	IEC60898	
Approval	KEMA CB scheme	
Type of trip	Thermal magnetic release	
Electrical endurance	10,000 operations	
Installation	35mm DIN rail	
Width	17.8mm per pole	
Type of terminal	Lug type (Cable up to 25mm <sup>2</sup> )	
Alarm switch (option)	 <p>1 changeover contact 6A at 240VAC, 3A at 415VAC (AX) 6A at 240VAC, 3A at 415VAC (AL) 2A at 48VAC, 1A at 125VAC Lug terminal Cable capacity 2.5 mm<sup>2</sup> 9mm wide</p>	

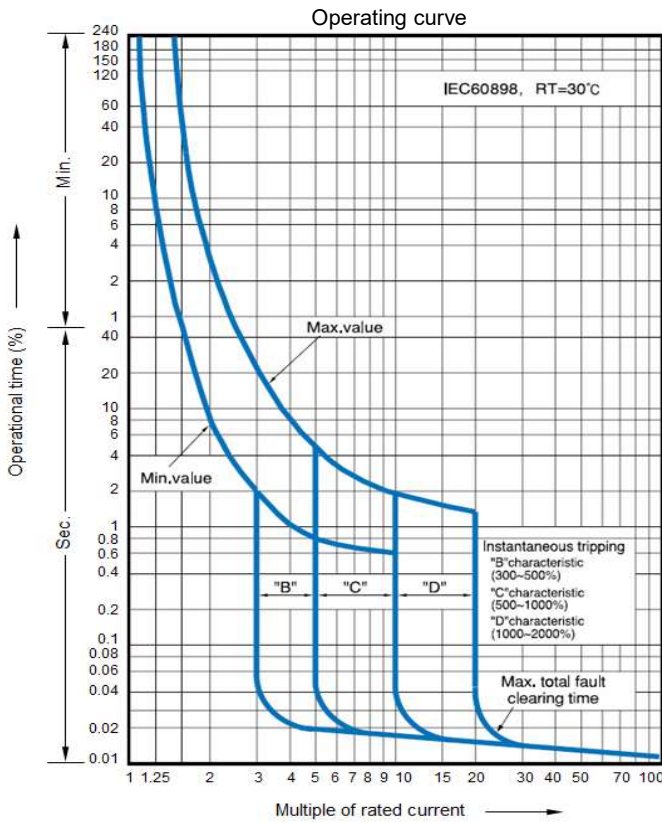
**Tripping characteristics**

- Type B:  
 - Instant tripping characteristics: 3 - 5In  
 - Application: Computer and electronic equipments
- Type C:  
 - Instant tripping characteristics: 5 - 10In  
 - Application: General load such as bulbs, motors
- Type D:  
 - Instant tripping characteristics: 10 - 20In  
 - Application: High current surge device such as transformer, motor with heavy load

**Dimension (mm.)**



**Characteristic curve and compensation curve**



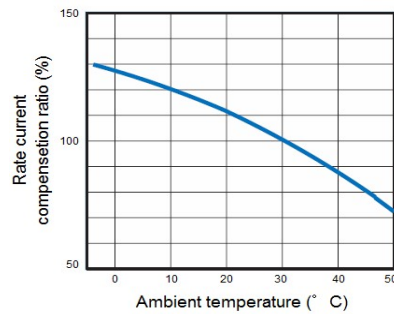
**Compensation table**

[Temperature compensation table](IEC60898-1)

In(A)	20°C	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
1	1.05	1.02	1.0	0.98	0.95	0.93	0.9	0.89	0.85
2	2.03	2.04	2.0	1.96	1.92	1.88	1.84	1.8	1.74
3	3.18	3.09	3.0	2.91	2.82	2.7	2.61	2.49	2.37
4	4.24	4.12	4.0	3.88	3.75	3.64	3.52	3.36	3.24
6	5.24	6.12	6.0	5.88	5.76	5.64	5.52	5.4	5.3
10	10.6	10.3	10.0	9.7	9.3	9.0	8.6	8.2	7.8
16	16.8	16.5	16.0	15.5	15.2	14.7	14.2	13.8	13.3
20	21.0	20.3	20.0	19.4	19.0	18.4	17.8	17.4	16.8
25	26.2	25.7	25.0	24.2	23.7	23.0	22.2	21.5	20.7
32	33.5	32.9	32.0	31.4	30.4	29.8	28.4	28.2	27.5
40	42.0	41.2	40.0	38.8	38.0	36.8	35.6	34.4	33.2
50	52.5	51.5	50.0	48.5	47.4	45.5	44.0	42.5	40.5
63	66.2	64.9	63.0	61.0	58.0	56.7	54.2	51.7	49.2

[1:113%In 12:145%In according to IEC60898-1]

**Compensation curve**



KEY WORD					MS-WORD	
DWG.	O.SITTICHAJ	28-Mar-22	REGD 2022-03 18	DWG No.	SH.	REV.
CHKD.	C.CHONTICHA M.SOMKIAT	28-Mar-22		4HTN001318	1 1	00
APPRD.	S.SUGAI	28-Mar-22				