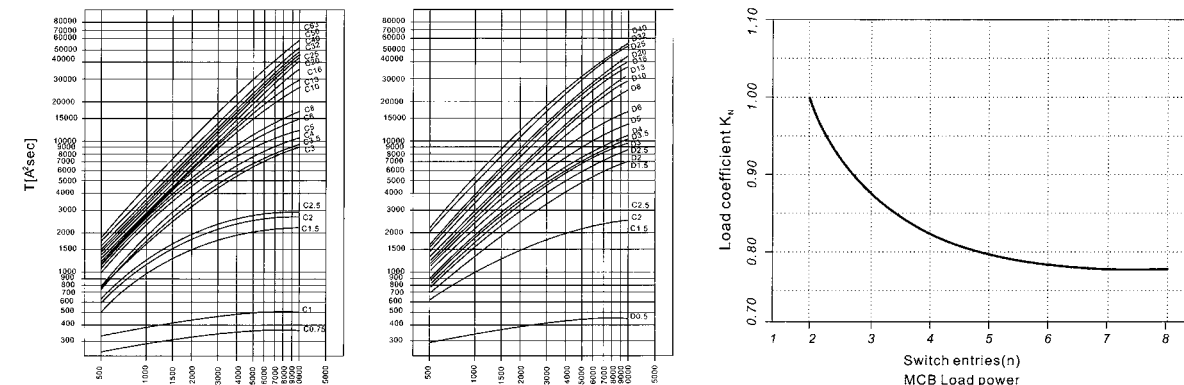


EPB10K Series Miniature Circuit Breaker

Application

Standard	Confirming to EN / IEC60898
Breaking capacity	10kA
Protection	Against overload and short circuit
Rated current I_n	0.5, 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63A
Rated voltage	1pole 230/400V AC 50/60Hz 2,3,4pole 400V AC 50/60Hz Rated insulation voltage U_i : 500V Rated impulse withstand voltage U_{imp} : 6000V Energy limiting class: 3
Ambient temperature	-5°C to +40°C pursuant to EN / IEC60898
Characteristic	Thermal operating limit: $(1.13-1.45) \times I_n$ Magnetic operating: B: $(3-5) \times I_n$ C: $(5-10) \times I_n$ D: $(10-20) \times I_n$
Number of poles	1P, 1P+N, 2P, 3P, 3P+N and 4P
Type of trip	Thermal / magnetic release
Type of terminal	Lug type and Pin type
Terminal capacity	16mm ² flexible or 25mm ² rigid up to 25A ratings 25mm ² flexible or 35mm ² rigid for 32A to 63A ratings
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.5mm per pole

1. Curves



2. Overcurrent protecting characteristics

No	Rated current of release(A)	Initial state	Test current	Specified time	Result to be obtained	Remarks
1	1~63	cold state	1.13I _n	t ≤ 1h	Non-trip	
2	1~63	upon the previous test	1.45I _n	t < 1h	trip	Setting current up to specified value steadily in 5S
3	I _n ≤ 32	cold state	2.55I _n	1s < t < 60s	trip	
	I _n > 32	cold state	2.55I _n	1s < t < 120s	trip	
4	1~63	cold state	3I _n	t ≤ 0.1s	Non-trip	B type
	1~63	cold state	5I _n	t < 1.1s	trip	B type
	1~63	cold state	5I _n	t ≤ 0.1s	Non-trip	C type
	1~63	cold state	10I _n	t < 1.1s	trip	C type
	1~63	cold state	10I _n	t ≤ 0.1s	Non-trip	D type
	1~63	cold state	20I _n	t < 1.1s	trip	D type

3. Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electrical endurance	8000	240/h 120/h	0.5~32 40~63
Mechanical endurance	20000	240/h	0.5~63

4. Features

Much higher short circuit breaking capacity, Dual-connection convenient for both standard busbar and conductor connection. Improved safety of operators offered by special design from terminals. Much longer service life thanks to energy-storage operating mechanism. Enclosure and functional parts made from imported plastics with flame-retardant, heat-resistant, and impulse-proof properties. Higher current-limiting capacity ensuring a cost-effective range of products. Different handle color for different rated current with contactor condition indicator.

5. Overall and mounting dimensions

