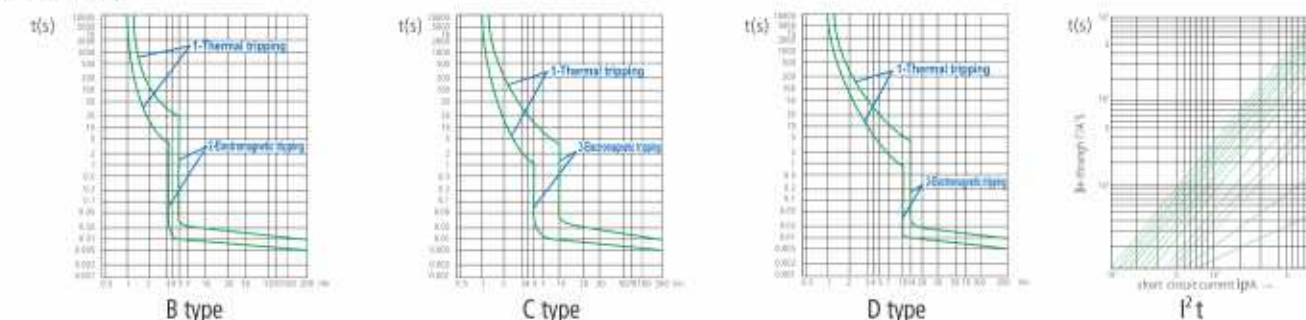


ELB6K Series Miniature Circuit Breaker

Application

Standard	Confirming to EN / IEC60898
Breaking capacity	6kA
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. Endurance(operations)

Category	Operations	Operation frequency	Rated current (A)
Electrical endurance	4000	240/h 120/h	0.5~32 40~63
Mechanical endurance	10000	240/h	0.5~63

3. Please refer to table below for temperature compensation correction

I_n A	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	55°C	60°C
1~6	1.20	1.14	1.09	1.05	1.00	0.96	0.80	0.75	0.70
10~32	1.18	1.12	1.08	1.04	1.00	0.96	0.92	0.88	0.84
40~63	1.16	1.12	1.08	1.03	1.00	0.9	0.87	0.83	0.80

4. Wiring

The suitable conductors should be used for connection, see table for relative parameters.

Rated current I_n (A)	Nominal cross section area (mm ²)	Tightening torque (N.m)
1~6	1	2
10	1.5	2
13,16, 20	2.5	2
25	4	2
32	6	2
40, 50	10	2
63	16	2

5. Features

The breaker is characterized by compact design, light weight, elegant appearance, high breaking capacity, swift releasing, long service life, Different handle color for different rated current, with contactor condition indicator.

6. Overall and mounting dimensions

