



NXB-63H Miniature circuit breaker

1. Compliant standards

IEC/EN60898-1

2. Compliant certification

CE, SII, RoHS, Carbon Footprint

3. Major function

Overload protection, short circuit protection , positive isolation

4. Technical data

Rated current: 1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A,;
 Rated voltage: 220V~/230V~/240V~(1P, 1P+N) 380V~/400V~/415V~(2~4P, 3P+N);
 Frequency: 50/60Hz;
 Thermal magnetic release: B, C, D;
 Number of poles: 1P, 1P+N, 2P, 3P, 3P+N, 4P;
 Mechanical life: 20000 cycles;
 Electrical life: 10000 cycles;
 Rated short-circuit breaking capacity: 10000A;
 Short-circuit breaking capacity: 7500A;
 Rated insulation voltage Ui: 500V
 Rated impulse withstand voltage: 4kV;
 Weight(kg): 0.10/per pole;
 Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

| Rated current In (A) | Maximum power consumption per pole (W) |
|----------------------|--|
| 1~10 | 3 |
| 16 | 3.5 |
| 20~25 | 4.5 |
| 32 | 6 |
| 40 | 7.5 |
| 50 | 9 |
| 63 | 13 |

Temperature derating see table 2

Table 2

| Ambient temperature(°C) | -35 | -20 | -10 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
|-------------------------|------|------|------|------|------|------|----|------|------|------|------|
| Rated current(A) | | | | | | | | | | | |
| 1~6 | 1.28 | 1.25 | 1.18 | 1.13 | 1.08 | 1.03 | 1 | 0.96 | 0.91 | 0.87 | 0.82 |
| 10~25 | 1.27 | 1.24 | 1.19 | 1.13 | 1.07 | 1.02 | 1 | 0.96 | 0.91 | 0.87 | 0.82 |
| 32~40 | 1.27 | 1.24 | 1.19 | 1.13 | 1.08 | 1.04 | 1 | 0.97 | 0.92 | 0.88 | 0.83 |
| 50~63 | 1.28 | 1.25 | 1.18 | 1.13 | 1.08 | 1.03 | 1 | 0.96 | 0.91 | 0.87 | 0.82 |

5. Dimensions and installation sizes

