



电气安全卫士
ELECTRICAL SAFETY
GUARD

H8 智新

— H8 INTELLIGENT NEW —

高品质 更可靠 智电能 新未来
High quality more reliable new future of smart electricity



H8BH

Disconnecting Switch

Excellent Performance Features

- Rated current I_e : 32 A–125 A
- The shell adopts the unique design of curved surface. Its side surface is provided with assembly-line ventilating slots, which can improve the heat dissipation capacity and reduce the temperature rise of the product.
- The direct-acting double breakpoint structure is adopted, which improves the isolation distance.
- It provides obvious indications of the contact opening/closing status.
- It has the handle locking function to prevent mis-opening and mis-closing.
- The terminal has a dual-purpose connection mode of busbar and conductor.



I. Scope of Application

The H8BH-125 Series Disconnecting Switch is mainly used for isolation in distribution lines with AC 50 Hz, rated voltage up to 400 V and rated current up to 125 A. It can also be used for closing and opening circuits infrequently under specified conditions. The product complies with GB/T 14048.3 and IEC 60947-3.



II. Model Description

H	8	BH	-	125	/	□
Enterprise code						
Design number						
Disconnecting Switch						
Shell frame level rated current value						
Number of poles: 1-1 P, 2-2 P, 3-3 P and 4-4 P						



III. Main Technical Parameters

1. Thermal current I_{th}: 125 A.
2. Rated voltage U_e: 50 Hz, 230 V (1P) and 400 V (2P, 3P and 4P).
3. Rated current I_e: 32 A, 40 A, 50 A, 63 A, 80 A, 100 A and 125 A.
4. Number of poles: 1P, 2P, 3P and 4P.
5. Rated short-time withstand current I_{cw}: 2.5 kA, t = 1 s.
6. Rated short-circuit making capacity I_{cm}: 3.5 kA.
7. Rated insulation voltage U_i: 690 V
8. Service life: The operation cycle is 10,000 times, of which 1,500 times are loaded (I_e ≤ 100 A).
The operation cycle is 8000 times, of which 1000 times are loaded (I_e ≤ 125 A).
The operating frequency is 120 times/h.
9. Use category: AC-22A.
10. Protection degree: IP20.

See Table 1 for the cross-section area of the corresponding copper wire
Table 1

Rated current I _e (A)	32	40, 50	63	80	100	125
Rated current I _e (A)	6	10	16	25	35	50

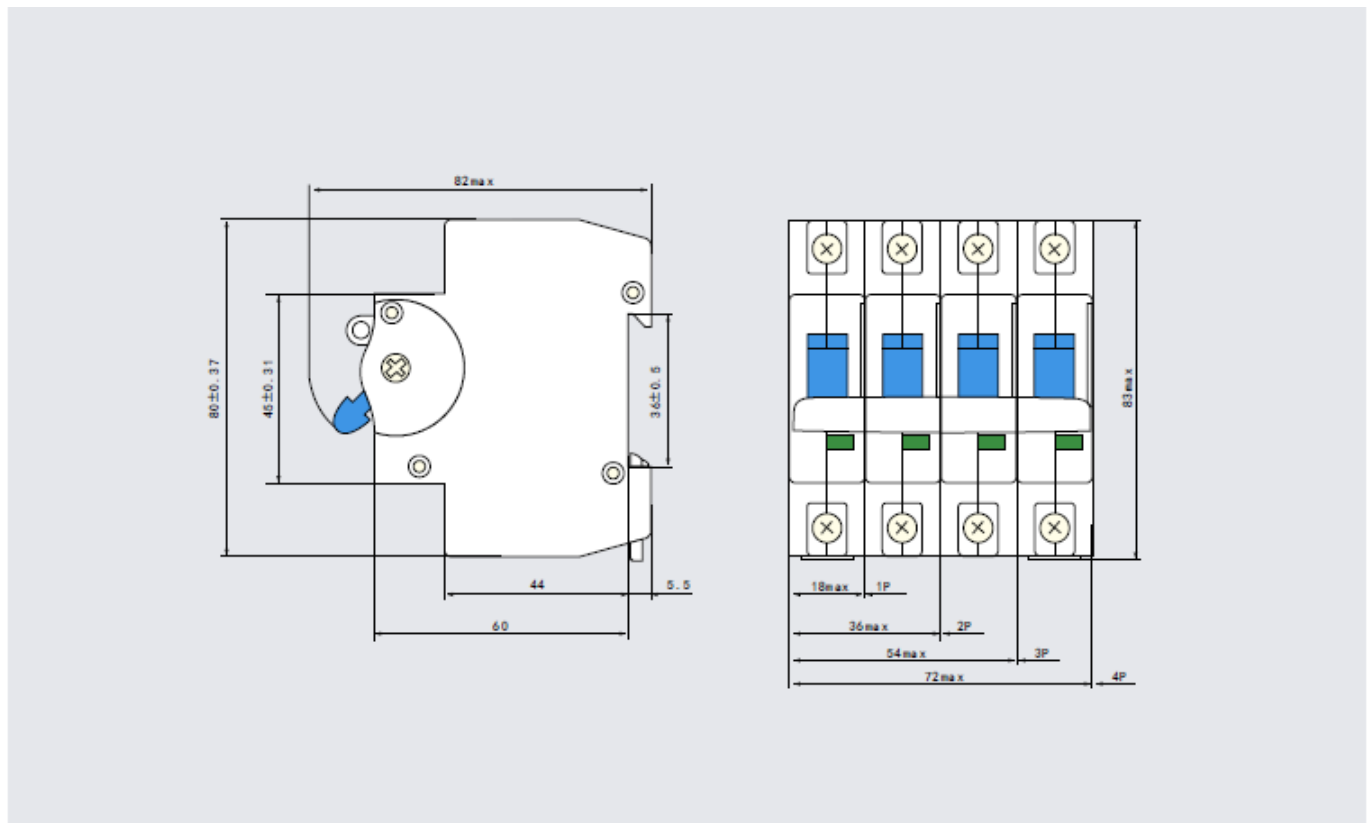


IV. Normal Working Conditions

1. The upper limit of ambient air temperature shall not exceed +40°C, the lower limit shall not be lower than -5°C, and the average value within 24 hours shall not exceed +35°C.
2. The altitude of the installation location shall not exceed 2,000 meters.
3. The relative atmospheric humidity of the installation location shall not exceed 50% at the maximum ambient temperature of +40°C, and the humidity may be higher at a lower temperature. The average maximum relative humidity of the wettest month shall not exceed 90%, and the average temperature of that month shall not exceed +25°C. Measures must be taken for the condensation on the product due to temperature changes.
4. The contamination grade: Grade 2.
5. The installation category: II and III.
6. Installed with 35 mm standard guide rails.
7. Rated working system: uninterrupted working system.

V. Outline Dimensions and Installation

Fig. 1



VI. Ordering Information

When ordering, please specify the model, rated current value, number of poles and quantity of the disconnecting switch. Please specify it if lock pieces need to be additionally installed (represented by S). For example: H8BH-125 Disconnecting Switch, with rated current of 125 A, three poles, with lock pieces, 100 sets.

Represented by: H8BH-125/3, 125S, 100 sets.