

## BH-0.66III Series Current Transformer

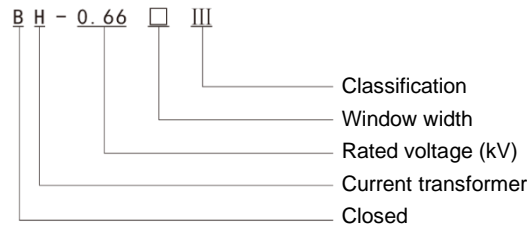


### I. Scope of Application

The BH-0.66III Series Current Transformer is used indoors, and is suitable for the current and power measurements and the relay protection in AC circuits with the rated voltage of 660 V and below and the rated frequency of 50 Hz or 60 Hz.

The product complies with GB20840.1 and GB20840.2.

### II. Model Description



### III. Normal Operating Conditions

1. Installation site: Indoor.
2. Ambient temperature: Minimum temperature of  $-5^{\circ}\text{C}$ , and maximum temperature of  $+40^{\circ}\text{C}$ .
3. Ambient humidity: Relative humidity  $\leq 80\%$ .
4. Altitude: Not higher than 1,000 m.
5. Atmospheric conditions: No pollution, corrosive or explosive media that seriously affect the insulation of the transformer.

### IV. Structural Features

The core of the transformer is annular and rectangular, the secondary windings are evenly distributed along the circumference of the core, and the flame retardant plastic is used as the insulation enclosure of the transformer. A window is remained in the middle of the transformer for the primary busbar to pass through. For the product outgoing line, the primary incoming line terminal is marked with P1, the outgoing line terminal is marked with P2, and the secondary outgoing line terminal is marked with S1 and S2. When the primary current flows in from P1 and flows out from P2, the secondary current flows out from S1 and flows in from S2 through the external circuit, which is called the depolarization. The core is wound and formed by the silicon steel plate, with no air gap and with high magnetic performance. The secondary winding is evenly wound with little magnetic leakage, and has the advantages of stable performance, light weight and convenient installation.

### V. Main Technical Parameters

#### 1. Basic technical parameters

Rated voltage (V)	Rated frequency (Hz)	Rated primary current (A)	Rated secondary current (A)
660	50	150—5,000	5

2. Insulation level: The insulation resistance of the secondary winding to ground shall not be less than 10 M $\Omega$ , and the short-time power frequency withstand voltage shall be 3 kV, which lasts for 1 minute.

3. Rated load and accuracy level:  $\cos\Phi = 0.8$  lag

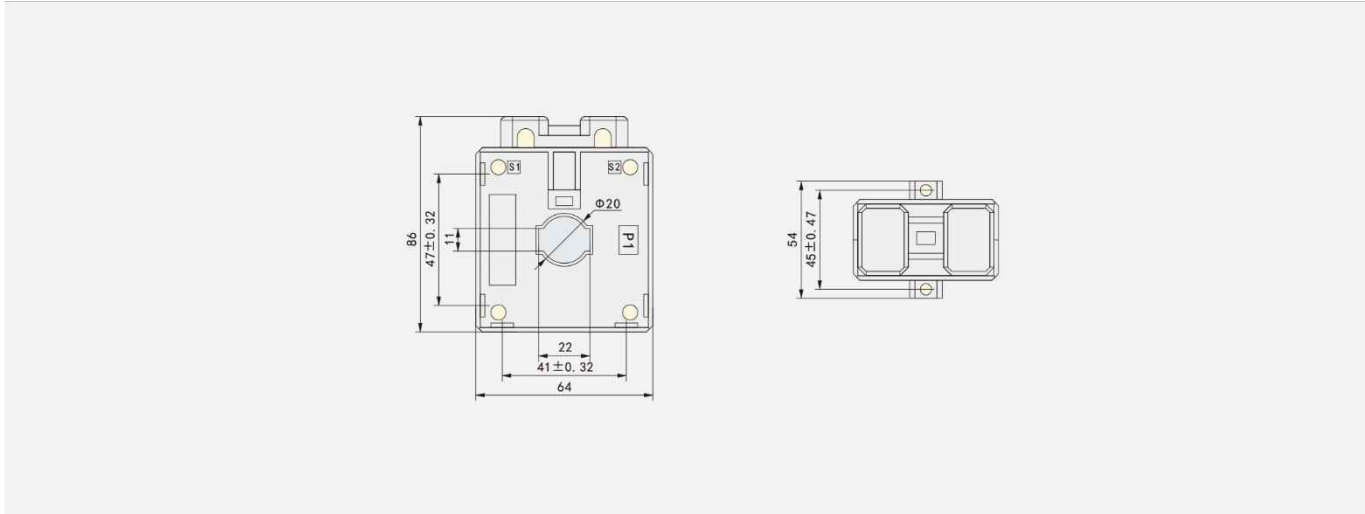
Rated primary current (A)	Rated load (VA)	Accuracy level
150—250	5	0.5 0.5 S 0.2
300—400	10	
500—800	10	
1,200—1,500	20	
2,000—5,000	40	

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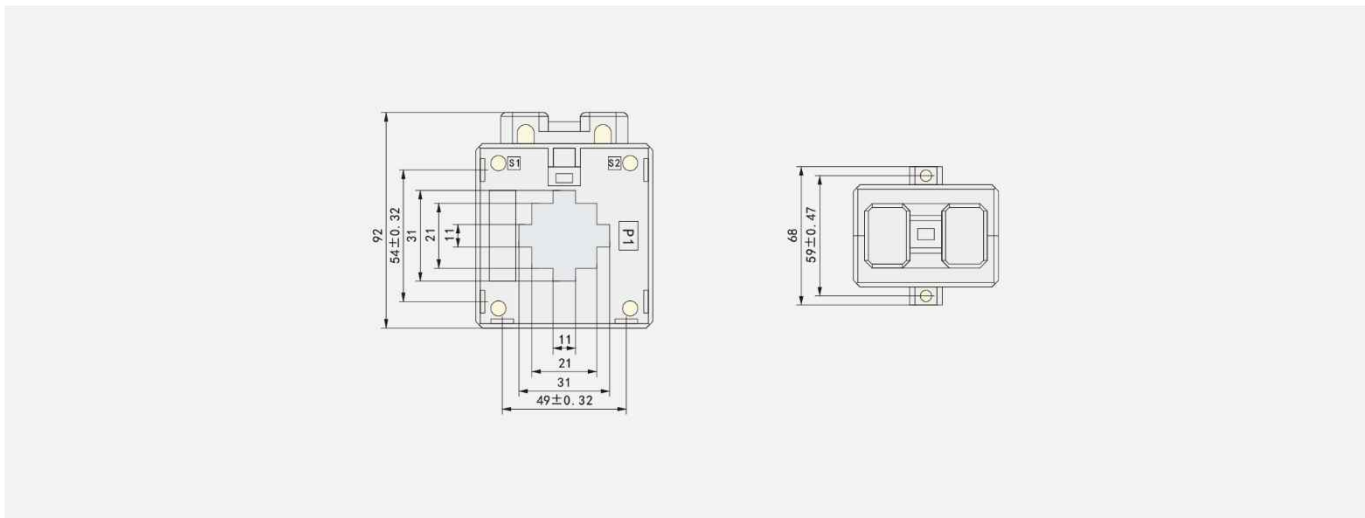
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### VI. Outline and Installation Dimensions

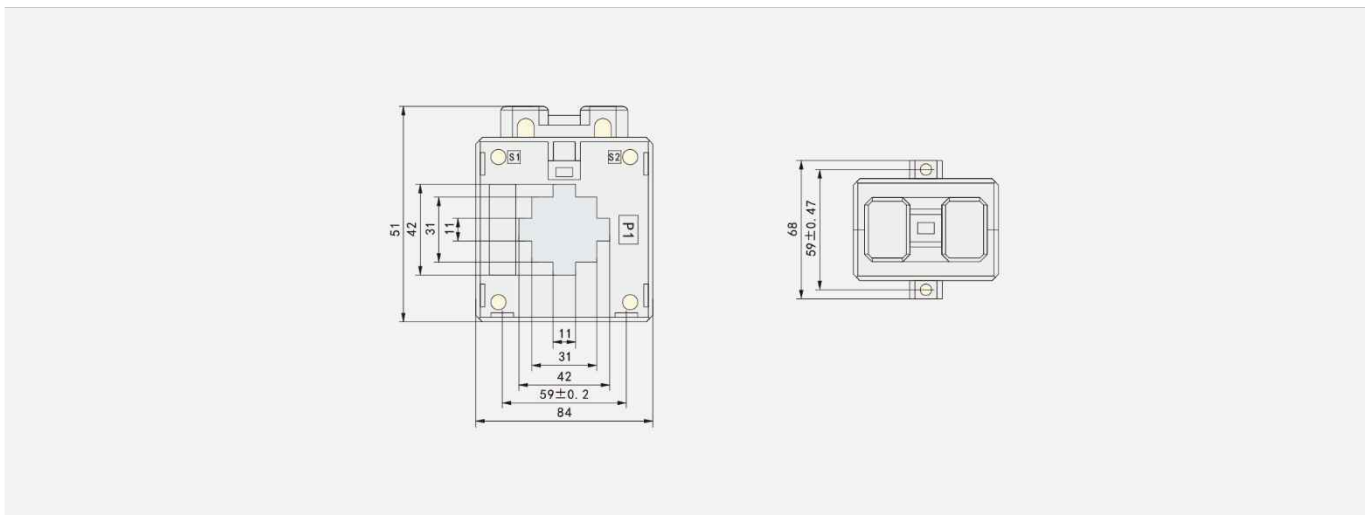
1. BH-0.66 20III



2. BH-0.66 30III



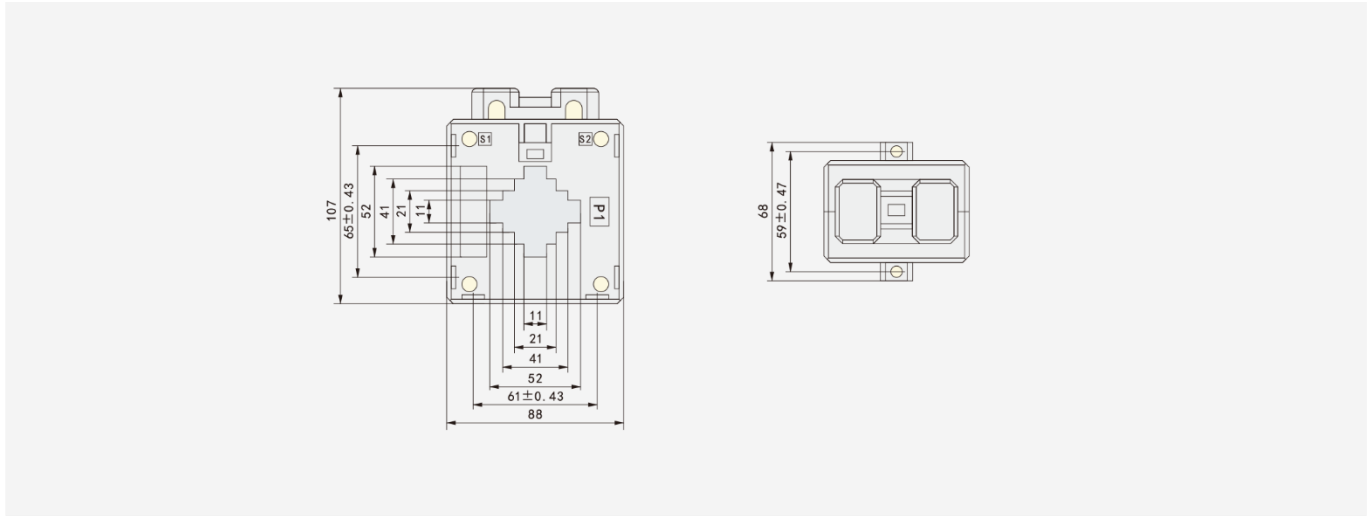
3. BH-0.66 40III



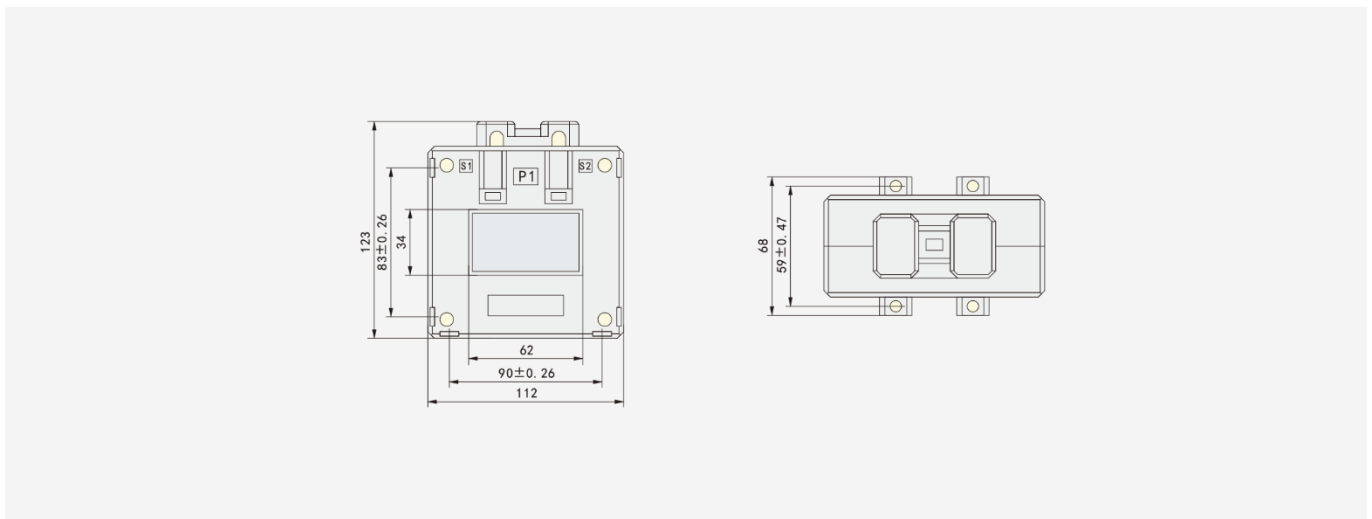
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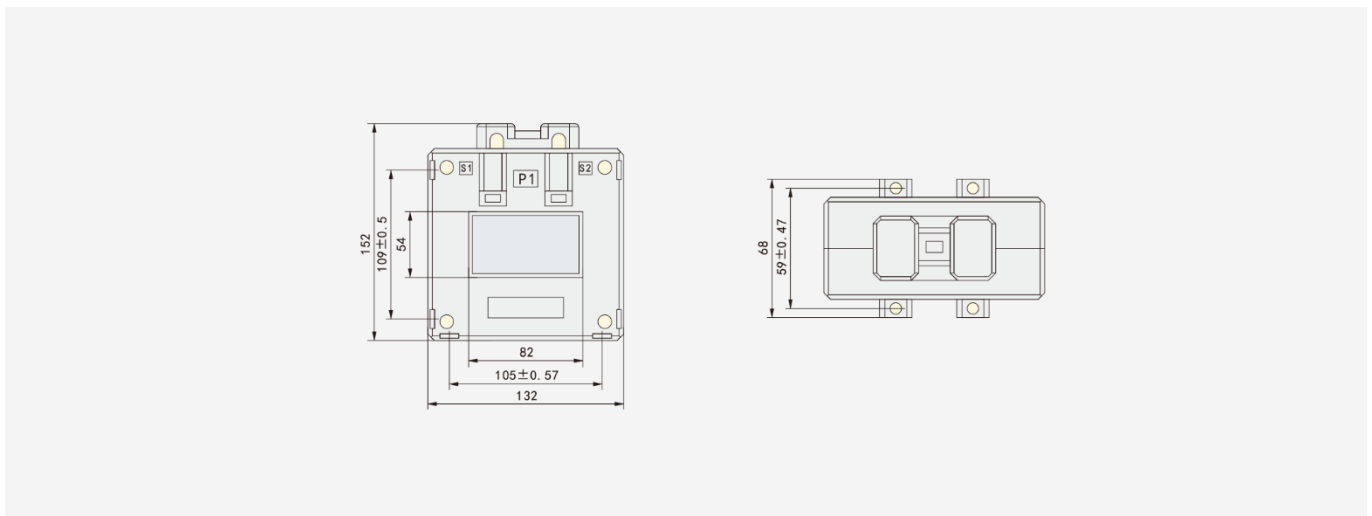
4. BH-0.66 50III



5. BH-0.66 60III



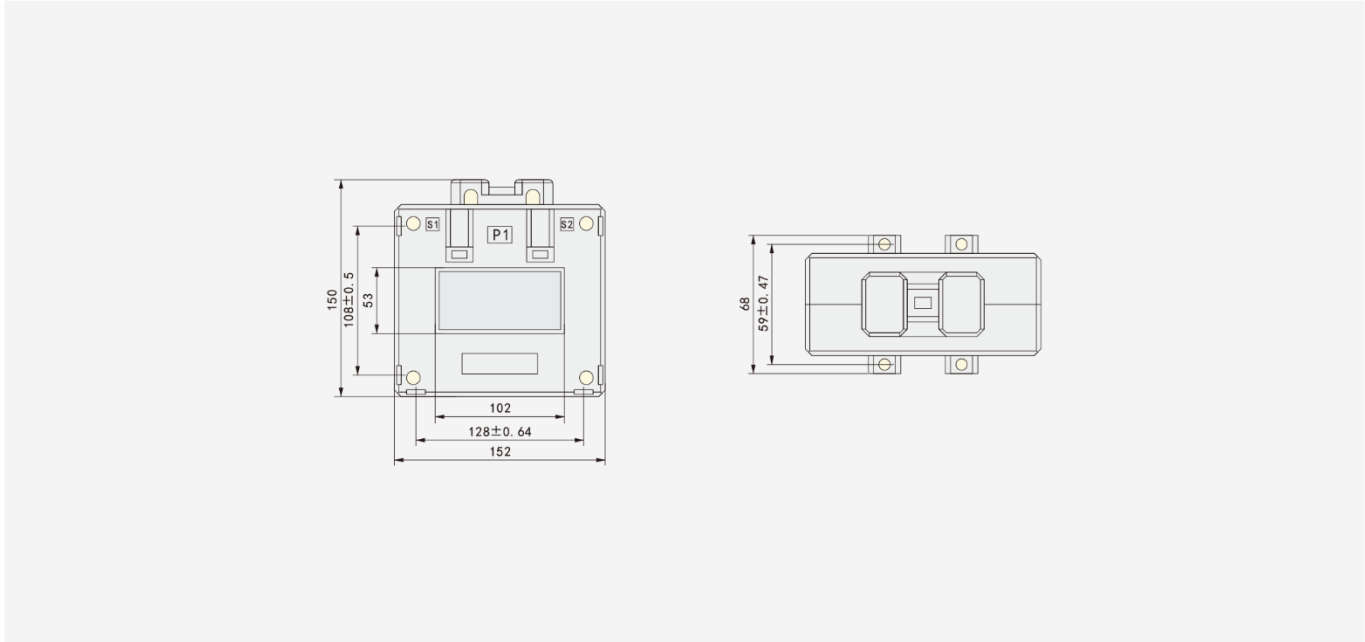
6. BH-0.66 80III



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7. BH-0.66 100III



8. BH-0.66 120III

