

# JP SPLITCORE CURRENT TRANSFORMER



JP Square Split Core CT

## 1. DESCRIPTION

The JP series current transformer has been specially designed to facilitate their installation in new or already existing networks. They may be installed without opening any cable or bus-bar circuit. The connection of conventional CTs usually requires the interruption of the primary side circuit to pass cables or bus-bars through the transformer core or to connect such cables to the primary terminals. The JP series transformers core may be easily opened, and they may be installed and connected without any supply interruption. Thus, saving time and the installation costs.

## 2. FEATURES

- Bus-bar mounting design
- Very easy to mount, especially installing Ct on existing bus-bar or cable system
- Wide inner window, allowing clamping of big cables or bus-bar.
- Wide range of sizes to accommodate all the existing installations, wide range ratio for each size



## 3. GENERAL SPECIFICATIONS

- |   |  |
|---|--|
| ➤ Rated Frequency                                     | 50/60Hz                                |
| ➤ Rated insulation voltage                            | 3kV AC. (1 min)                        |
| ➤ Rated short-time thermal current (I <sub>th</sub> ) | 60I <sub>n</sub>                       |
| ➤ Rated dynamic current (I <sub>dyn</sub> )           | 2.5I <sub>th</sub>                     |
| ➤ Rated voltage (U <sub>n</sub> )                     | 0.72kV AC.                             |
| ➤ Continuous current (I <sub>d</sub> )                | 1.2I <sub>n</sub>                      |
| ➤ Operating temperature                               | -10°C~50°C                             |
| ➤ Housing self-extinguishing class                    | V0                                     |
| ➤ Safety factor                                       | FS 5                                   |
| ➤ Ratio   | 100/5A to 10000/5A or 20/1A to 3000/1A |
| ➤ Following Standards                                 | IEC 60044-1, IEC 61869-2               |

<b>MODEL</b>	<b>RATIO (Ip / Is, (A))</b>	<b>BURDEN (VA) CI 1.0</b>	<b>BURDEN (VA) CI 0.5</b>	<b>ODERING CODE</b>
<b>JP-23</b>	100/5	1.5		JP-23-0100
	150/5	2.5		JP-23-0150
	200/5	2.5	1.5	JP-23-0200
	250/5	3.75	1.5	JP-23-0250
	300/5	5.0	2.5	JP-23-0300
	400/5	5.0	2.5	JP-23-0400
	500/5	5.0	3.75	JP-23-0500
	600/5	7.5	5.0	JP-23-0600
	800/5	10	5.0	JP-23-0800
<b>JP-46</b>	250/5	2.5	1.5	JP-46-0250
	300/5	3.75	1.5	JP-46-0300
	400/5	3.75	1.5	JP-46-0400
	500/5	5.0	2.5	JP-46-0500
	600/5	5.0	2.5	JP-46-0600
	800/5	7.5	3.75	JP-46-0800
	1000/5	10	5.0	JP-46-1000
	1200/5	10	5.0	JP-46-1200
	1500/5	15	5.0	JP-46-1500
	1600/5	15	10	JP-46-1600
	2000/5	15	10	JP-46-2000
	2500/5	20	10	JP-46-2500
	3000/5	20	15	JP-46-3000
	3200/5	20	15	JP-46-3200

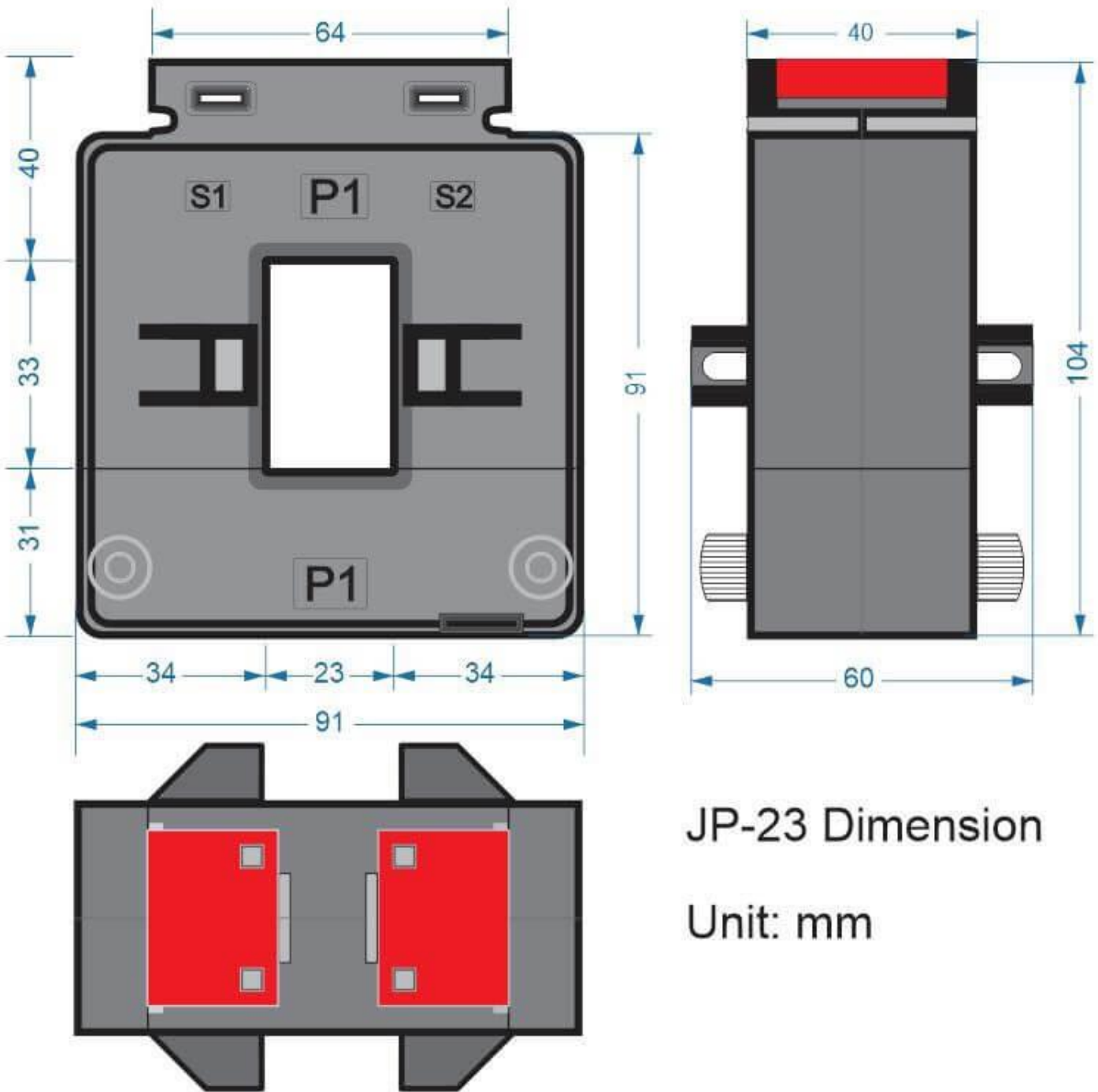
<b>MODEL</b>	<b>RATIO (Ip / Is, (A))</b>	<b>BURDEN (VA) CI 1.0</b>	<b>BURDEN (VA) CI 0.5</b>	<b>ODERING CODE</b>
<b>JP-58</b>	250/5	2.5	1.5	JP-58-0250
	300/5	3.75	2.5	JP-58-0300
	400/5	3.75	2.5	JP-58-0400
	500/5	5.0	3.75	JP-58-0500
	600/5	5.0	3.75	JP-58-0600
	800/5	5.0	3.75	JP-58-0800
	1000/5	7.5	5.0	JP-58-1000
	1200/5	10	5.0	JP-58-1200
	1500/5	10	5.0	JP-58-1500
	1600/5	10	5.0	JP-58-1600
	2000/5	15	7.5	JP-58-2000
	2500/5	15	7.5	JP-58-2500
	3000/5	15	10	JP-58-3000
	3200/5	20	10	JP-58-3200
	4000/5	20	15	JP-58-4000
<b>JP-510</b>	400/5	3.75	2.5	JP-510-0400
	500/5	5.0	2.5	JP-510-0500
	600/5	5.0	3.75	JP-510-0600
	800/5	5.0	3.75	JP-510-0800
	1000/5	7.5	5.0	JP-510-1000
	1200/5	7.5	5.0	JP-510-1200
	1500/5	10	5.0	JP-510-1500
	1600/5	10	5.0	JP-510-1600
	2000/5	10	7.5	JP-510-2000
	2500/5	15	7.5	JP-510-2500
	3000/5	15	10	JP-510-3000
	3200/5	15	10	JP-510-3200
	4000/5	20	15	JP-510-4000
5000/5	20	15	JP-510-5000	

<b>MODEL</b>	<b>RATIO (Ip / Is, (A))</b>	<b>BURDEN (VA) CI 1</b>	<b>BURDEN (VA) CI 0.5</b>	<b>ODERING CODE</b>
<b>JP-612</b>	500/5A	5.0	3.75	JP-612-0500
	600/5A	5.0	3.75	JP-612-0600
	800/5A	5.0	3.75	JP-612-0800
	1000/5A	7.5	5.0	JP-612-1000
	1200/5A	7.5	5.0	JP-612-1200
	1500/5A	10	7.5	JP-612-1500
	1600/5A	10	7.5	JP-612-1600
	2000/5A	10	7.5	JP-612-2000
	2500/5A	15	10	JP-612-2500
	3000/5A	20	15	JP-612-3000
	3200/5A	20	15	JP-612-3200
	4000/5A	20	20	JP-612-4000
	5000/5A	20	20	JP-612-5000
	6000/5A	20	20	JP-612-6000
<b>JP-614</b>	800/5	7.5	5.0	JP-614-0800
	1000/5	7.5	5.0	JP-614-1000
	1200/5	7.5	5.0	JP-614-1200
	1500/5	10	7.5	JP-614-1500
	1600/5	10	7.5	JP-614-1600
	2000/5	10	10	JP-614-2000
	2500/5	15	10	JP-614-2500
	3000/5	20	15	JP-614-3000
	3200/5	20	15	JP-614-3200
	4000/5	20	15	JP-614-4000
	5000/5	20	15	JP-614-5000
	6000/5	20	15	JP-614-6000

<b>MODEL</b>	<b>RATIO (Ip / Is, (A))</b>	<b>BURDEN (VA) CI 1</b>	<b>BURDEN (VA) CI 0.5</b>	<b>ODERING CODE</b>
<b>JP-812</b>	500/5	5.0	3.75	JP-812-0500
	600/5	5.0	3.75	JP-812-0600
	800/5	5.0	5.0	JP-812-0800
	1000/5	7.5	5.0	JP-812-1000
	1200/5	7.5	5.0	JP-812-1200
	1500/5	10	7.5	JP-812-1500
	1600/5	10	7.5	JP-812-1600
	2000/5	10	10	JP-812-2000
	2500/5	10	10	JP-812-2500
	3000/5	15	10	JP-812-3000
	3200/5	15	10	JP-812-3200
	4000/5	20	15	JP-812-4000
	<b>JP-816</b>	800/5	5.0	3.75
1000/5		7.5	3.75	JP-816-1000
1200/5		7.5	5.0	JP-816-1200
1500/5		7.5	5.0	JP-816-1500
1600/5		7.5	5.0	JP-816-1600
2000/5		15	10	JP-816-2000
2500/5		20	10	JP-816-2500
3000/5		20	15	JP-816-3000
3200/5		20	15	JP-816-3200
4000/5		25	20	JP-816-4000
5000/5		25	20	JP-816-5000
6000/5		25	20	JP-816-6000

<b>MODEL</b>	<b>RATIO (Ip / Is, (A))</b>	<b>BURDEN (VA) C1 1</b>	<b>BURDEN (VA) C1 0.5</b>	<b>ODERING CODE</b>
<b>JP-820</b>	1000/5A	7.5	5	JP-820-1000
	1200/5A	7.5	5	JP-820-1200
	1600/5A	10	7.5	JP-820-1600
	2000/5A	10	7.5	JP-820-2000
	2500/5A	15	10	JP-820-2500
	3000/5A	15	10	JP-820-3000
	3200/5A	15	10	JP-820-3200
	4000/5A	20	15	JP-820-4000
	5000/5A	20	15	JP-820-5000
	6000/5A	20	15	JP-820-6000
	7000/5A	25	20	JP-820-7000
	8000/5A	25	20	JP-820-8000
	9000/5A	30	25	JP-820-9000
	10000/5A	30	25	JP-820-10000

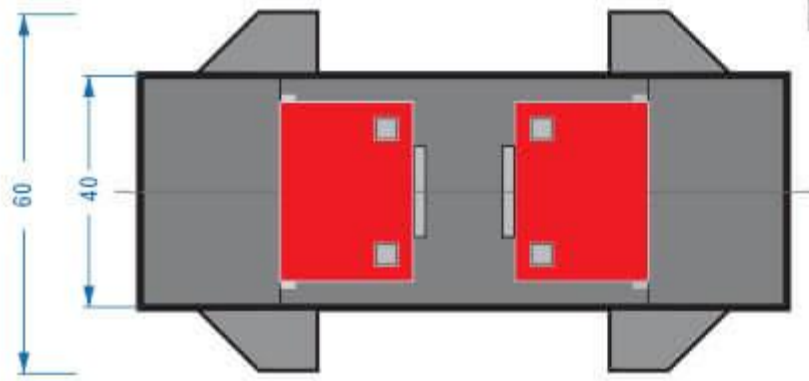
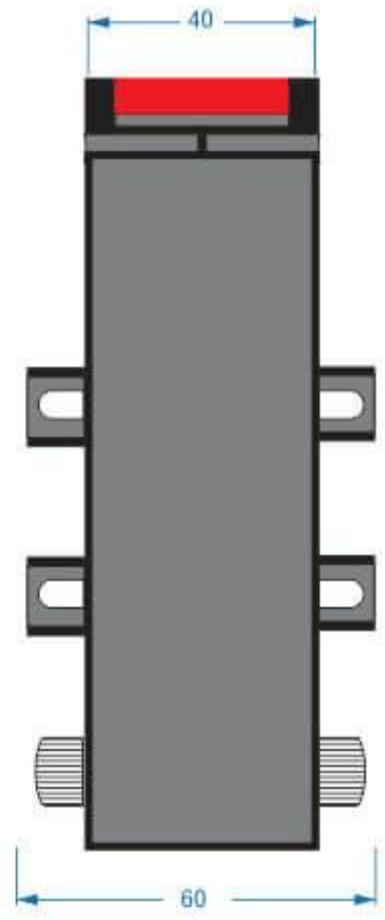
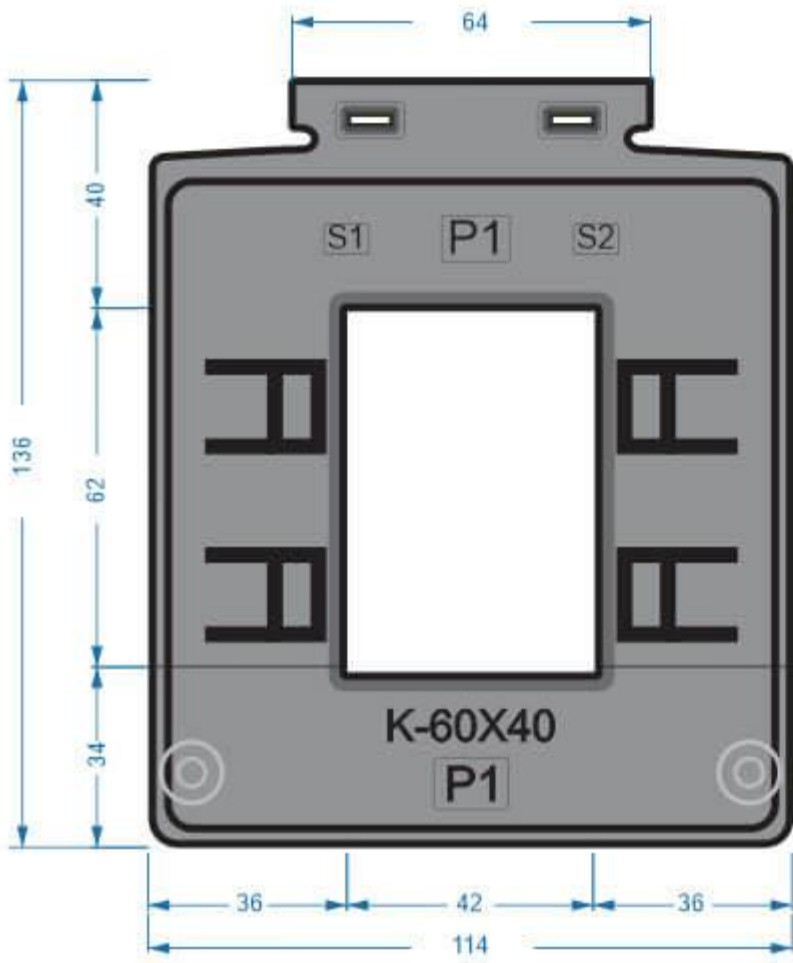
#### 4. DIMENSIONS



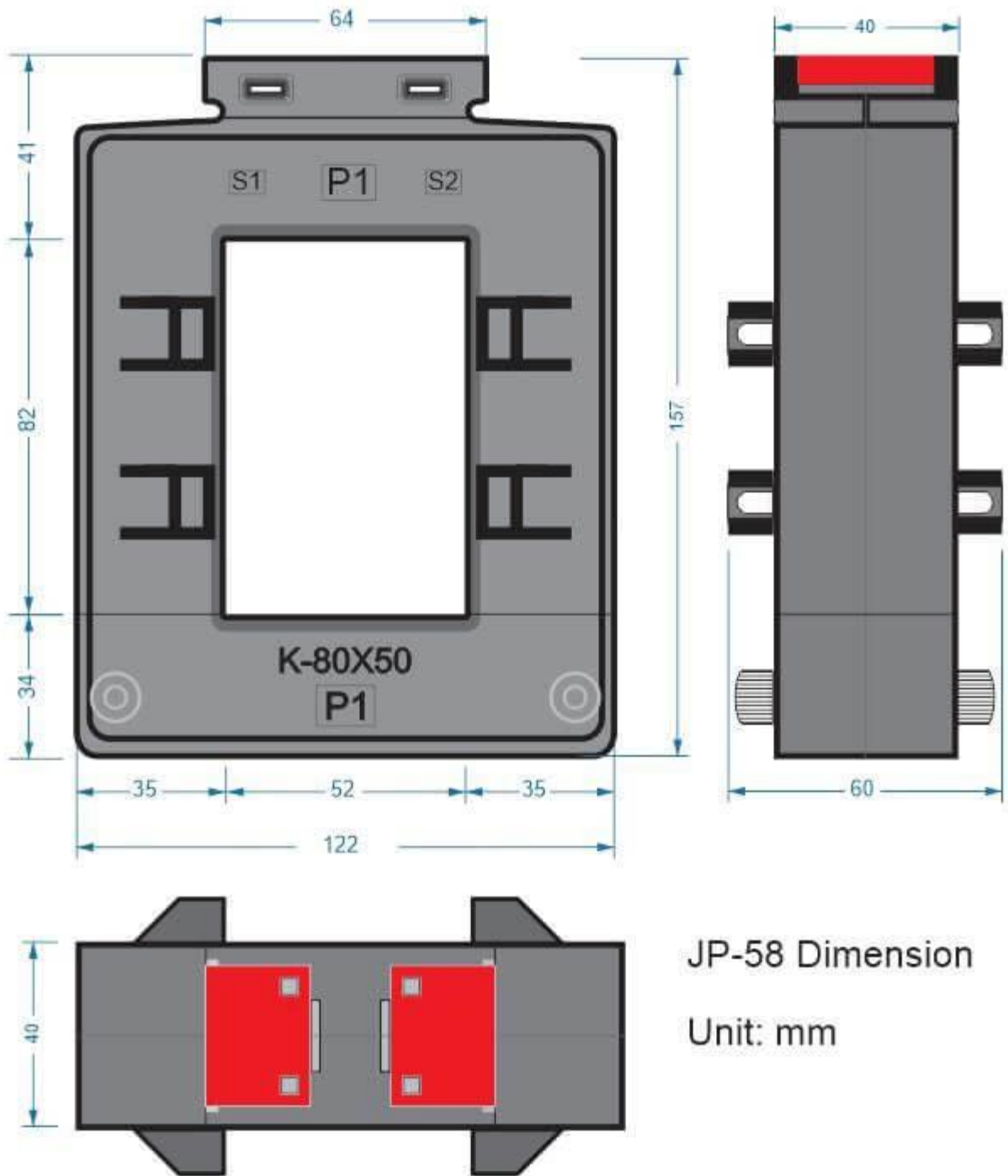
JP-23 Dimension

Unit: mm



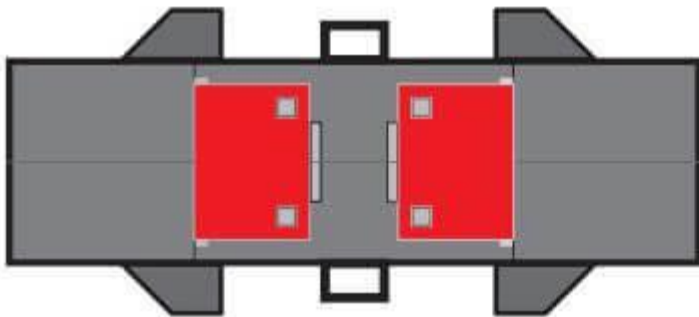
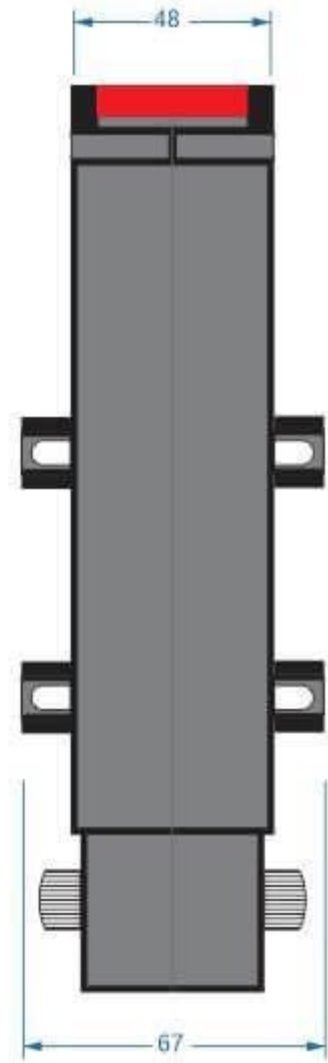
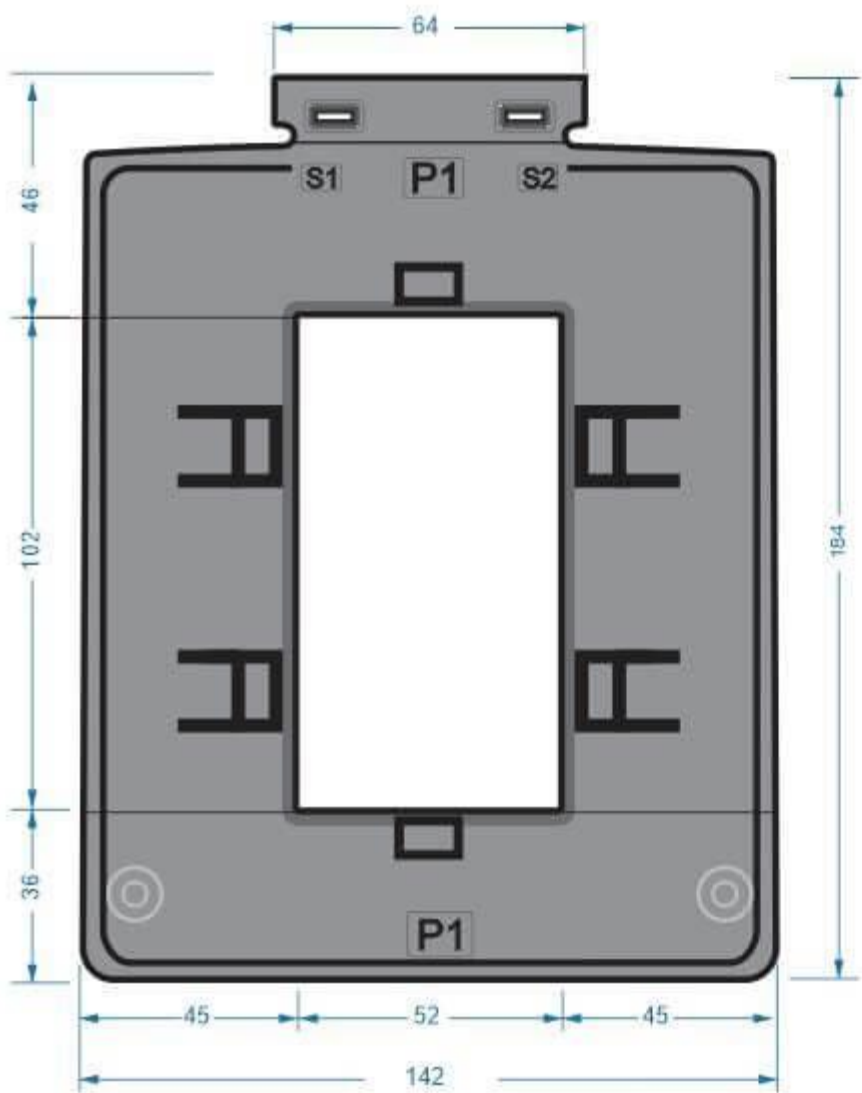


**JP-46 Dimension (mm)  
Ratio: 300 to 3200A/5A**



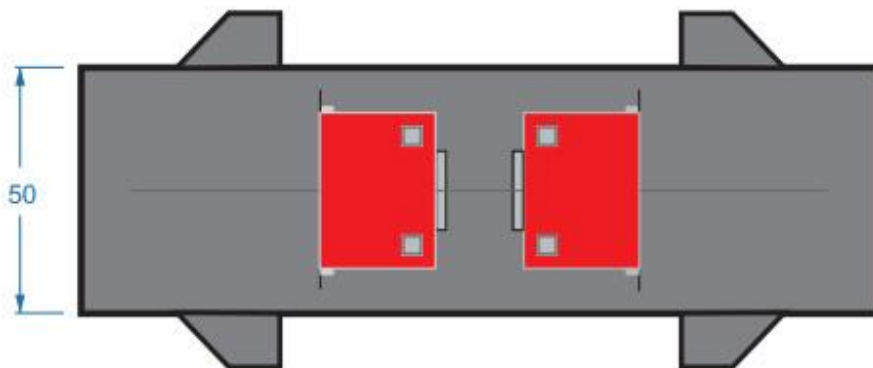
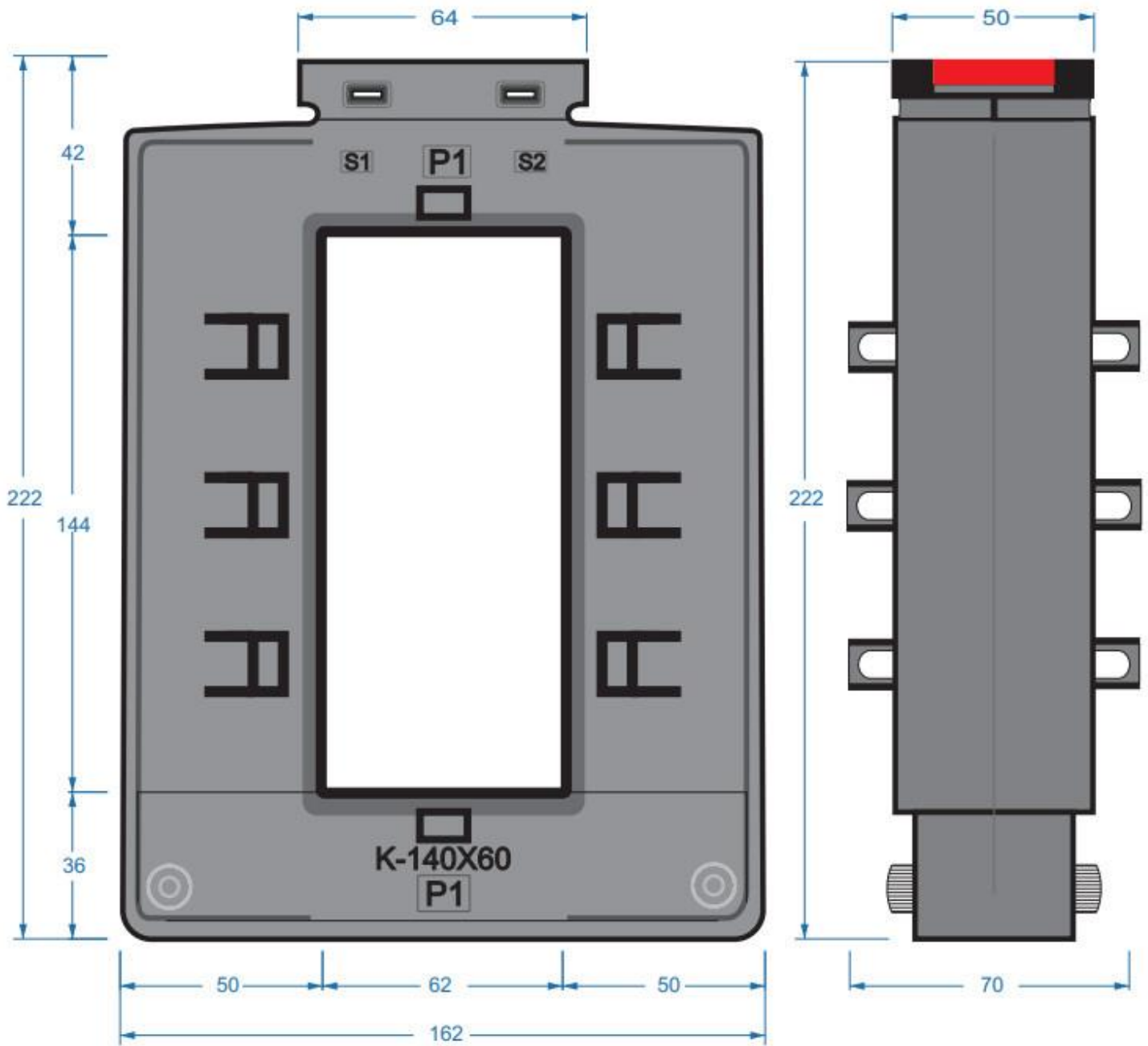
JP-58 Dimension

Unit: mm



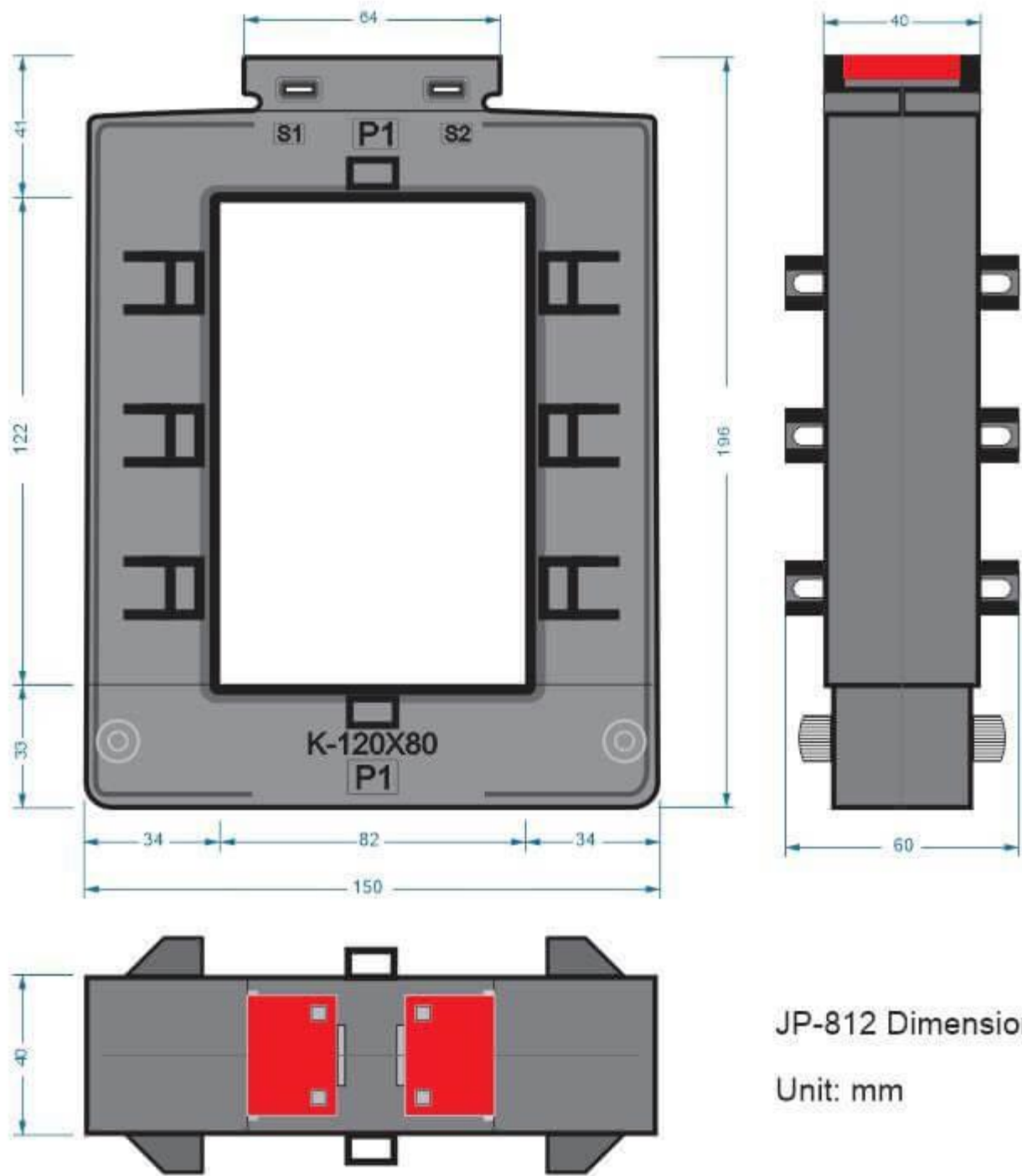
JP-510 Dimension

Unit: mm



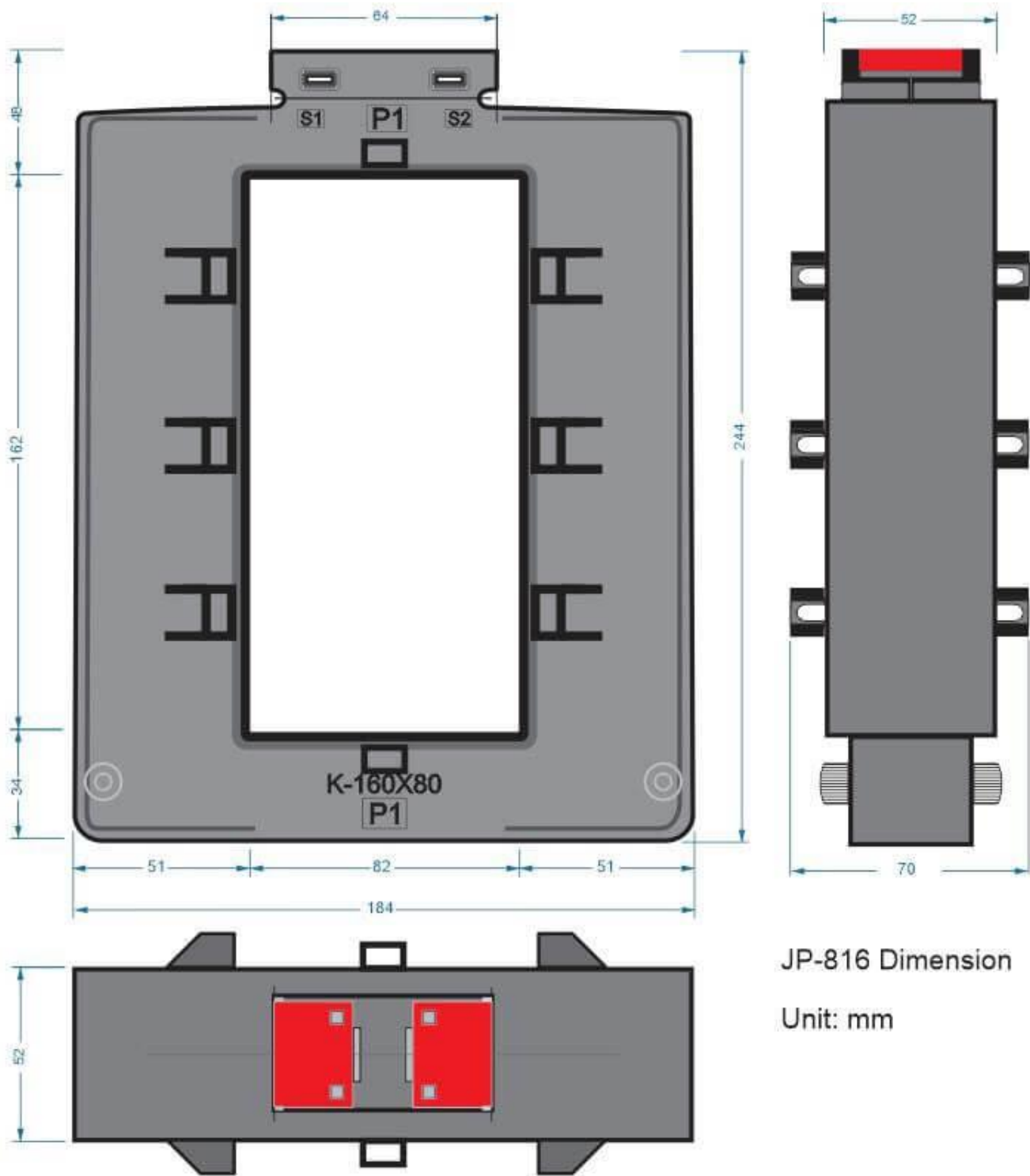
**JP-614 Dimension**

**Unit: mm**



JP-812 Dimension

Unit: mm



JP-816 Dimension

Unit: mm



**ILEC ELECTRIC EQUIPMENT CO., LTD**

**Address:** 76 street no 20, Tan Binh Industrial Park Expansion, Hoa Ward, Binh Tan District

**Tax code:** 0313550072

**Tel:** (84-28) 37657746 - **Email:** admin@ilec.com.vn - **Web:** ilec.com.vn - **Facebook:** ilec.com.vn