# HCS100-S DATASHEET

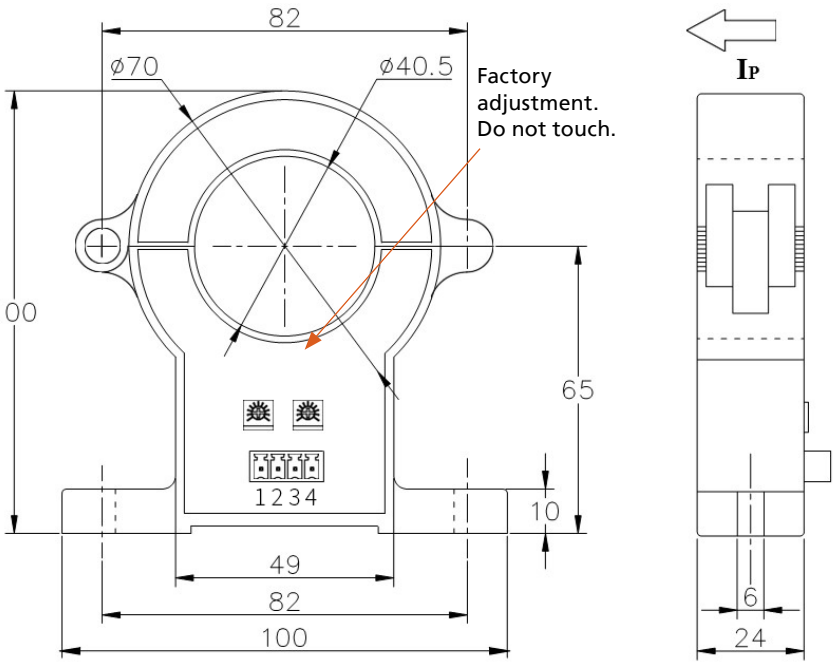
## 100A Hall Effect Split Core DC Current Sensor

Based on the Hall Effect principle, this split-core sensor is designed for measuring DC currents and is designated for a range of SATEC devices featuring DC-metering.

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Primary nominal input current | **0-100A** |
| Measuring range of primary current | **0-150A** |
| Secondary nominal output current | **20(±1%)** |
| Power supply | **±15V DC (±5%)** |
| Insulation voltage | **AC/50Hz/1min** |
| Ambient operating temperature | **–25 - +85** |
| Ambient storage temperature | **–40 - +100** |
| Weight | |

## DIMENSIONS (MM)




PINS
1 +15 Power Supply
2 -15 Power Supply 3
Output Current 4
Ground

## IMPORTANT

- Incorrect connection may lead to the damage of the sensor
- Output current is positive when the Ip flows in the direction of the arrow
- Temperature of the primary conductor / busbar running through the sensor must not exceed 100°C