

# TS Series

PCB-mounting Type, Within Primary Conductor

## Rated current

$\pm 10A \sim \pm 90A$

## Feature

- Low Current Range
- PCB-mounting Type
- Low Cost

## Application

- Inverters Control
- Battery Control



## Specification

Parameter \ Type Ex.	TS-50V2S5	TS-50V4D15
Rated Current	$\pm 50A$	
Power Supply Voltage	$+5V \pm 5\%$	$\pm 15V \pm 5\%$
Offset Voltage	$+2.5 \pm 0.03V (@25^{\circ}C)$	$0 \pm 0.05V (@25^{\circ}C)$
Offset Voltage Temperature Coefficient	$< \pm 2.0mV/^{\circ}C$	
Gain Voltage	$\pm 2.0 \pm 0.03V (@25^{\circ}C)$	$\pm 4.0 \pm 0.04V (@25^{\circ}C)$
Gain Voltage Temperature Coefficient	$< \pm 0.05\%/^{\circ}C$	
Hysteresis Voltage	$< \pm 0.015V$	
Output Linearity	$< \pm 1.0\%$	
Response Time	$< 10\mu s (di/dt = \text{Rated current}/\mu s)$	
Insulation Voltage	2.5kVAC (50/60Hz, 1minute)	
Insulation Resistance	500M $\Omega$ (DC500V)	
Ambient Operating Temp.	$-40^{\circ}C \sim +125^{\circ}C$	
Dimensions (W × D × H)	20.3 × 17.0 × 21.0mm : Without Terminal	

※When the rated current is more than 50A, the bus bar is used for the primary conductor.