

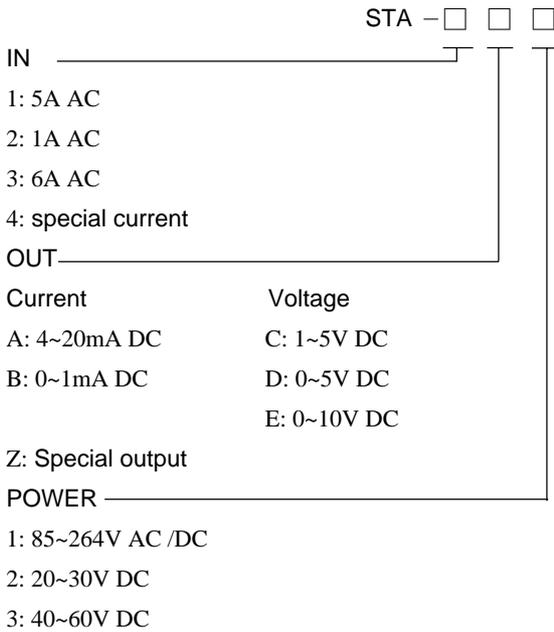
AC CURRENT TRANSDUCER

MODEL: STA

◆ **GENERAL SPECIFICATIONS**

- stand-alone, terminal access at the front
- DIN rail or surface mounted
- 3 way isolation
- high-density mounting, fast response

◆ **MODEL**



◆ **ORDERING INFORMATION**

Specify code number and variables. (e.g. STA-1A1)
Special output range (For code Z)

◆ **INPUT**

AC current	Burden
5A	0.3VA
1A	
6A	

◆ **OUTPUT**

DC Current

Output	Load resistance
4~20mA	0 ~ 600 Ω
0~1mA	0 ~ 10k Ω

DC Voltage

Output	Load resistance
1~5V	>1k Ω
0~5V	
0~10V	

◆ **PERFORMANCE**

- Accuracy: $\pm 0.2\%$
- Response time: 0.5second(0-90%)
- Ripple: 1% p-p max
- Insulation resistance >50M Ohms with 500V DC
 - Input to output to power to ground
- Dielectric strength: 2000V AC @1 minute
 - Input to output to power to ground
- Surge protection
- Max surge voltage (Input to output to power)
 - $\leq \pm 6kV (1.2/50 \mu s)$
- Discharge current capacity: 2000A ($\pm 8/20 \mu s$)

◆ **CONSTRUCTION**

- Standard : JIS C1111
- Construction : terminal access at the front
- Screw terminal M4
- Measuring Method : True RMS sensing

ST series

◆ INPUT

Overload capacity : 1.2 times of rating current continuous
 40 times for 1 second , 20 times 4 second, 10 times 16 second

Voltage overload capacity: 2 times of rating voltage 10 s

◆ INSTALLATION

Auxiliary power supply : 85~264V AC/DC

20~30V/40~60V DC

2VA

Operating temperature : -10~+55°C

Operating humidity : 30~85%RH(no-condensing)

Impact test according to JISC0911

vertical between each side 490m/s²

3 times each direction 18 times total

Shock test according to JISC0911

vertical between each side 16.7Hz

4mm for 1 hour ,total 3 hour

Weight: 200g

Mouting : surface or DIN rail

Dimensions: W25 × H72 × D128mm

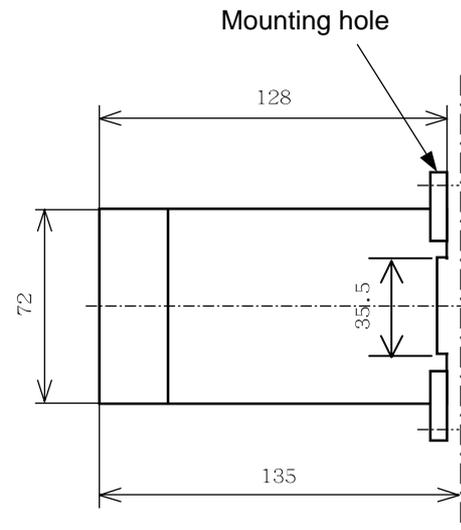
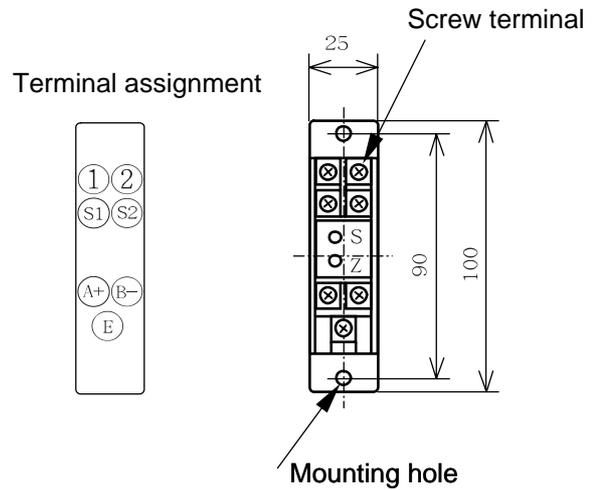
◆ Zero/Span adjustment

zero / span adjustment screw at the front panel

Zero adjustment: ± 5%

Span adjustment: ± 5%

◆ Case Dimensions



◆ Connection Diagram

