

CSK7-50A Series

Spec (25°C) \ Type	CSK7-50A
Nominal Current (RMS)	$\pm 50\text{A}$
Measuring Range (Peak)	$0 \sim \pm 100\text{A}$
Nominal Analog Output	$\pm 4\text{V}$
Load Resistance (@ In)	$> 10\text{k}\Omega$
DC Supply Voltage	$\pm 15\text{V}$ DC ($\pm 5\%$)
Accuracy	$\pm 1\%$
Linearity	$\pm 0.5\%$
Isolating Voltage	2.0kV rms/50Hz/min
Zero Measured Output	$< \pm 40\text{mA}$
Thermal Characteristic	$< \pm 0.1/^{\circ}\text{C}$
Bandwidth	DC $\sim 100\text{kHz}$
Response Time	$5\mu\text{s}$
Current Drain	15mA
Operating Temp.	$-20 \sim +80^{\circ}\text{C}$
Storage Temp.	$-40 \sim +90^{\circ}\text{C}$
Weight	17g

Dimension (mm)

REMARK

1) OFS is factory calibrated ready

2) Postive output only available along per "Arrow" direction

3) Load resistance is the capacity when voltage of supply is +/-15V (DC). It will be approx. down to 70% when an AC applied

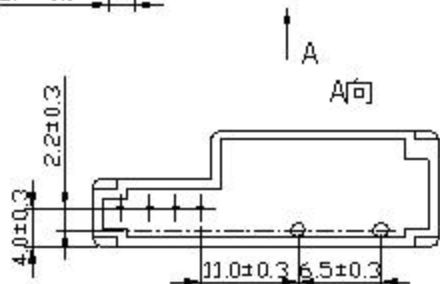
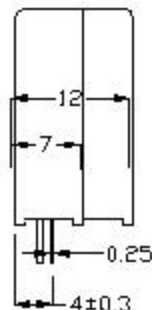
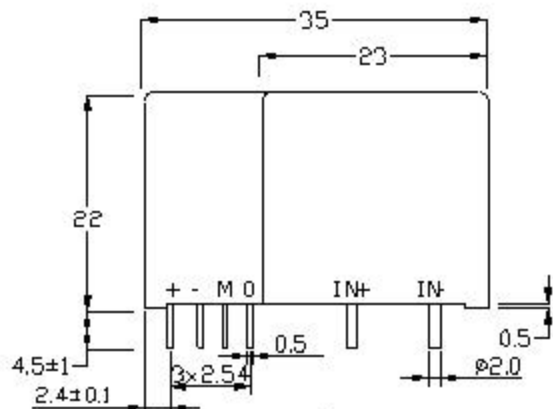
4) Load capacity will be approx. down to 75% when a +/-12V DC supply applied

5) Temp. of primary conductor has to be no more than 90 degree cetigrade

6) Wiring strictly according to indication

```
graph LR
    subgraph Sensor
        IN+
        IN-
        M
        0
    end
    subgraph PowerSupply
        P15V[+15V]
        P15V --- P15M[-15V]
        P15M --- P0[0]
    end
    IN+ --- P15V
    IN- --- P15M
    M --- OS[Output Signal]
    0 --- P0
```

8) To pull the plug when sensor is working is prohibited



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