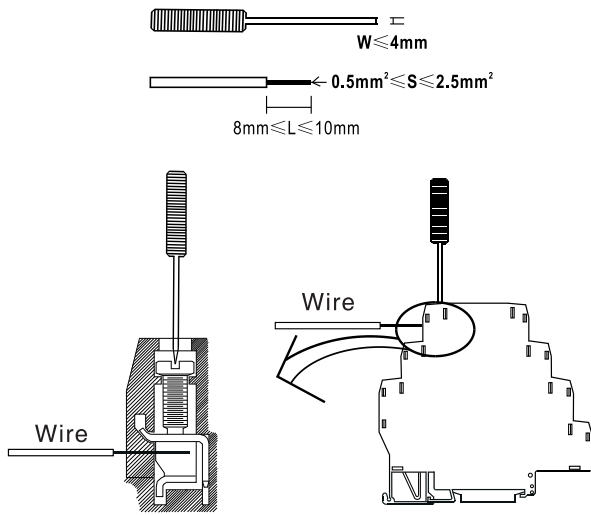


■ Connections

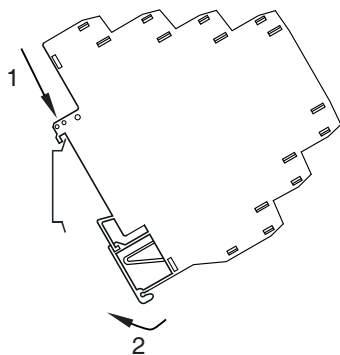
- (1) The isolators adopt knock-down terminals.
- (2) The wires are single or multiple cables with a cross-section of $0.5\text{mm}^2 \sim 2.5\text{mm}^2$.
- (3) A length of 8mm bared wire is locked by the M3 bolt. As shown in figure.



■ Installation

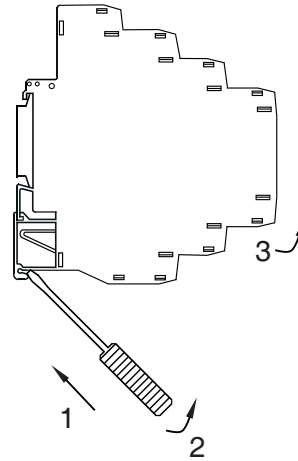
Mount the module on a 35mm DIN rail

- (1) Make the upside of the isolator to the rail;
- (2) Push the downside of the isolator towards the rail.



■ Disassembly

- (1) Use a screwdriver (edge length ≤ 6mm) insert the metal lock which at the downside of the isolator;
- (2) Push the screwdriver upwards, and pull the metal lock downwards;
- (3) Take out the isolator from the rail.



■ Maintenance

- (1) Every product has been tested strictly before delivery. If users find any abnormality, please contact the nearest agent or our company.
- (2) In 5 years from delivery date, if the product performs abnormally under normal use conditions, we will repair it for free.

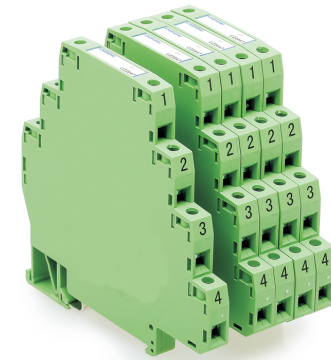
SHANGHAI CHENZHU INSTRUMENT CO.,LTD.



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 Songjiang New Industrial Park, Shanghai 201612, P.R. China
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<http://www.chenzhu-inst.com>

Isolator

CZ2047



Please read the instruction manual carefully before use the product, and please safekeeping.

⚠ Caution

- Please check whether the product type on the package accords to the ordering contract;
- Read this manual carefully before installation or using. If there is anything unclear, please dial technic support hotline-400 881 0780;
- Isolated barrier should be located in the safe area;
- Supply voltage is 24VDC, 220VAC is forbidden;

■ Summarize

CZ2047 isolator, supplies power to 2-wire or 3-wire transmitters, and transfers 4~20mA signal from transmitter (or current source). This product need be supplied independently. The power part, input and output are isolated from each other.

■ Specification

Number of channels: 1

Supply voltage: 20~30V DC

Current consumption: (at 24V DC supply, 20mA output) $\leq 60\text{mA}$

Input:

Current: 0/4~20mA

Available voltage: $\geq 19\text{V}$

Maximum current: $< 35\text{mA}$

Output:

Current: 0/4~20mA

Maximum current: $< 35\text{mA}$

Load resistance $\leq 550\Omega$

Voltage: 0/1~5V

Load resistance $\geq 330\text{k}\Omega$

Output circuit loop: $U_e = 12\sim 30\text{V DC}$

Load resistance $\leq (U_e - 5)/0.02$

Note: Users can specify current or voltage or circuit loop output when ordering.

Transfer accuracy: 0.1%F.S.

Temperature drift: 0.005%F.S./ $^{\circ}\text{C}$

Response time: Reach 90% of final value in 0.5ms

Power supply protection: Protect the barrier form reverse supply voltage destroy

Electromagnetic compatibility: According to GB/T18268(IEC61326-1)

Dielectric strength: 1500V AC; 1 minute (between any two of power supply, input and output)

Insulation resistance: $\geq 100\text{M}\Omega$; 500V DC (between any two of power supply, input, output and earth)

Weight: Approx. 45g

Suitable apparatus:

2-wire transmitter, 3-wire transmitter, current source

■ Operation Conditions

(1) The air should not contain any medium corrupting the coat of chrome, nickel and silver. Moreover, violent quiver and impact or any cause of electromagnetic induction (such as big current or spark, etc.) must be avoided when using.

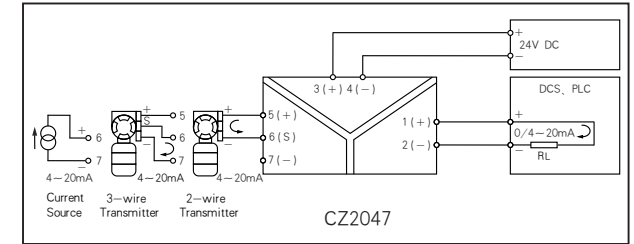
(2) Operating temperature: $-20^{\circ}\text{C}\sim +60^{\circ}\text{C}$

(3) Storage temperature: $-40^{\circ}\text{C}\sim +80^{\circ}\text{C}$

(4) Relative humidity: 10%~90%

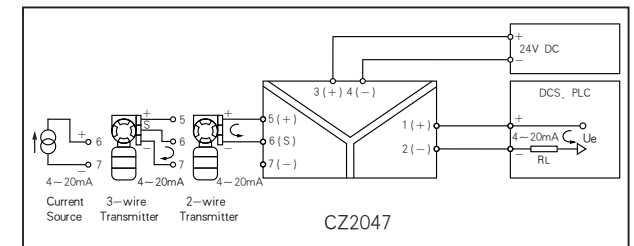
■ Application

Application 1:



Note: Application 1 output is 0/4~20mA or 0/1~5V

Application 2:



Note: Application 2 is output circuit loop

■ Outline dimensions

92.4mm x 97.7mm x 7.6mm

