

C Series
Single Input Four Outputs
Intelligent Isolator

→ Introductions

This isolator converts the current or voltage signals into current or voltage signals. The input, output, and power supply are galvanically isolated from each other. It also provides transmitters with power in the field area. DIN rail power supply function can be selected in ordering.

The main advantages of the isolator are fast response, low dissipation and temperature stability. It can be interfaced with all kinds of device, such as DCS, PLC and other systems.

→ Parameters

Power supply:

Connection type: Terminals (4+, 5-) or DIN rail connector

Rated voltage: 18 V DC ~ 32 V DC (Recommended voltage: 24 V DC)

Input (1, 2, 3):

Current: 0(4) ~ 20 mA; 0 ~ 10 mA

Voltage: 0(1) ~ 5 V; 0 ~ 10 V

Input resistance:

Current: $\leq 60\ \Omega$

Voltage: $\geq 1\ \text{M}\Omega$

Available voltage:

No-load $\leq 27\ \text{V}$; Full-load $\geq 22\ \text{V}$

Output (7, 8; 9, 10; 11, 12; 13, 14):

Current: 0(4) ~ 20 mA; 0 ~ 10 mA

Voltage: 0(1) ~ 5 V; 0 ~ 10 V

Load resistance:

0(4) ~ 20 mA: $\leq 550\ \Omega$; 0 ~ 10 mA: $\leq 1.1\ \text{k}\Omega$

0(1) ~ 5 V: $\geq 1\ \text{M}\Omega$; 0 ~ 10 V: $\geq 2\ \text{M}\Omega$

Transmission characteristics:

Accuracy: $\pm 0.1\%$ F.S. (25 °C $\pm 2\ ^\circ\text{C}$)

Output ripple: $\leq 5\ \text{mV}_{\text{rms}}$ (Load resistance: 250 Ω)

Response time: $\leq 0.5\ \text{s}$

Temperature drift: 30 ppm/°C

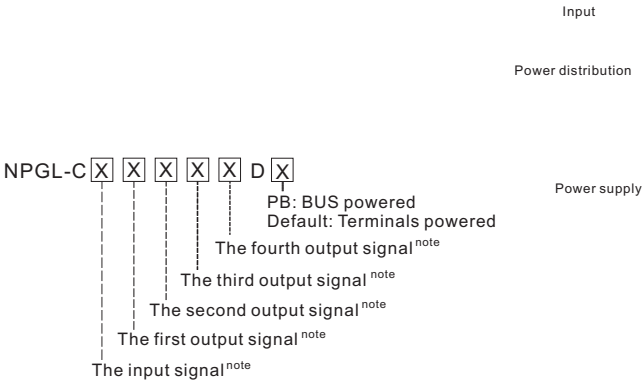
Electromagnetic compatibility: Accordance to IEC 61326-3-1

Dielectric strength (1 mA leakage current, 1 minute test time):

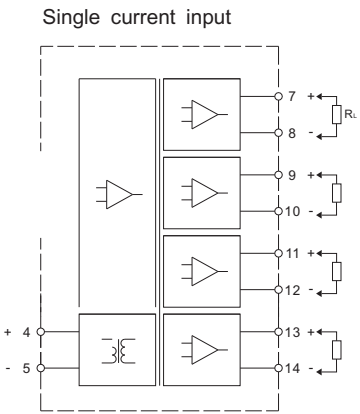
$\geq 1500\ \text{V AC}$ (Input /Output/Power supply)

Insulation resistance: $\geq 100\ \text{M}\Omega$ (Input /Output/Power supply)

Voltage input



Number	Input/Output signal
1	4 mA ~ 20 mA
2	1 V ~ 5 V
3	0 mA ~ 10 mA
4	0 V ~ 5 V
5	0 V ~ 10 V
6	0 mA ~ 20 mA
X	User customized signal type



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C. Pry the metal lock off the rail with screwdriver as arrow shown, pull downward the springs, and rotate the devices.

D. Remove the devices as arrow shows.

○ As far as possible to as possible