

# General Specifications

Model DA0  
Output Isolator  
(Voltage Input/Current Output Type)

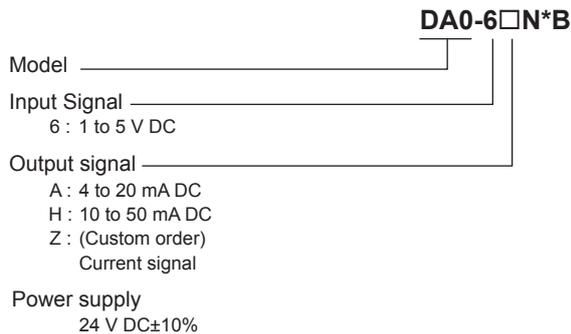
**JUXTA**

GS 77J05A10-01E

## General

The DA0 is a nest-mounting type DCS-supported isolator that receives 1 to 5 V DC signals from DCS, and converts them into isolated 4 to 20 mA DC or 10 to 50 mA DC signals.

## Model and Suffix Codes



## Ordering Information

Specify the following when ordering.

- Model and suffix codes: e.g. DA0-6AN\*B

## Input/Output Specifications

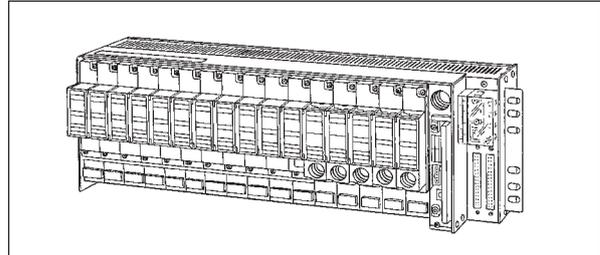
Input signal: 1 to 5 V DC  
Internal voltage drop:  
5 V DC or less (4 to 20 mA DC output)  
14 V DC or less (10 to 50 mA DC output)  
Maximum allowable input: 40 mA or less  
Output signal: DC current signal  
Allowable load resistance:  
750Ω or less (4 to 20 mA DC output)  
220Ω or less (10 to 50 mA DC output)  
Zero adjustment: -1 to +1%  
Span adjustment: 95 to 105%

## Standard Performance

Accuracy rating: ±0.1% of span  
Response speed: 150 ms, 63% response (10 to 90%)  
Insulation resistance: 100 MΩ or more at 500 V DC between input and output, input and power supply mutually, and output and power supply.  
Withstand voltage: 1500 V AC/min. between output and input, output and power supply.  
500 V AC/min. between input and power supply.

## Environmental Conditions

Operating temperature range: 0 to 50°C  
Operating humidity range:  
5 to 90% RH (no condensation)  
Power supply voltage: 24 V DC±10%  
(ripple content 5% p-p or less)



Effect of power supply voltage fluctuations: ±0.1% of span or less for the fluctuation within the operating range of power supply voltage specification.

Effect of ambient temperature change: ±0.2% of span or less for a temperature change of 10°C.  
Current consumption: 24 V DC 85 mA (4 to 20 mA), 132 mA (10 to 50 mA)

## Mounting and Dimensions

Mounting method: Nest-mounting (Signals and power supply are connected through back board and connector)

Note DA0 cannot be mounted to DME and DMP which are dedicated nests for control output.

Connection method: Connection to M4 screw terminals of the exclusive nest  
External dimensions: 130.6(H)×23.6(W)×126(D) mm  
Weight: Approx. 120 g

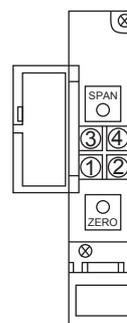
## Standard Accessories

Tag number label: 1

## Custom Order Specifications

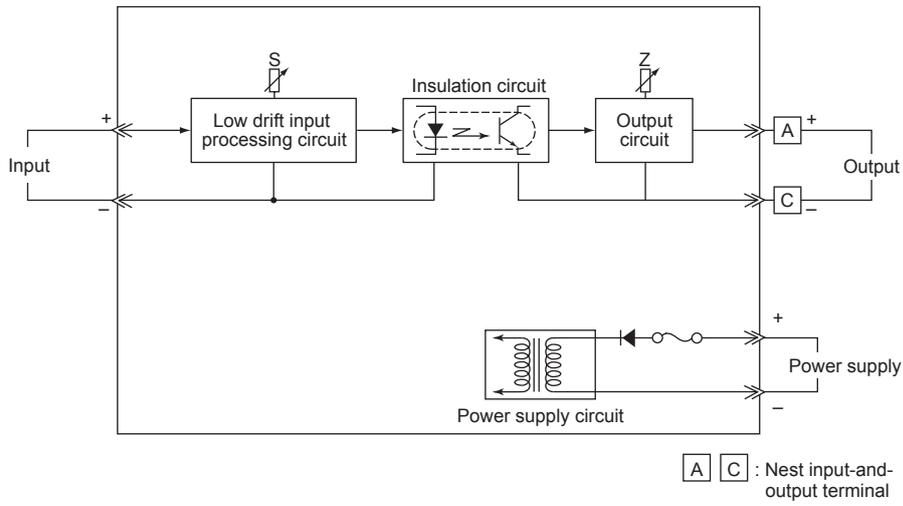
	Current signal
Output range (DC)	1 to 50 mA
Span (DC)	1 to 40 mA
Zero elevation	25%

## Terminal Assignments



Terminal No.	Signal name
1	Do not use
2	Do not use
3	Do not use
4	Do not use

### ■ Block Diagram



### ■ External Dimensions

