

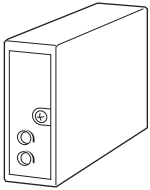
Dual Output Super-mini Signal Conditioners Pico-M Series

OUTPUT ISOLATOR

(high load capacity)

Functions & Features

- Converts a high-level DC input signal into an isolated DC signal
- Clustered mounting base with both maintainability and high-density mounting is available
- Load resistance of 750 Ω can be used



MODEL: M8YS2-[1]A-R[2]

ORDERING INFORMATION

- Code number: M8YS2-[1]A-R[2]
Specify a code from below for each [1] and [2].
(e.g. M8YS2-6A-R/Q)
- Specify the specification for option code /Q
(e.g. /C01/V01)

[1] INPUT

Current

A: 4 - 20 mA DC (Input resistance 250 Ω)

Voltage

6: 1 - 5 V DC (Input resistance 1 M Ω min.)

OUTPUT

Current

A: 4 - 20 mA DC (Load resistance 200 - 750 Ω)

POWER INPUT

DC Power

R: 24 V DC

(Operational voltage range 24 V \pm 10 %, ripple 10 %p-p max.)

[2] OPTIONS

Other Options

blank: none

/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q (multiple selections)

COATING (For the detail, refer to M-System's web site.)

/C01: Silicone coating

/C02: Polyurethane coating

/C03: Rubber coating

ADJUSTMENT

/V01: Multi-turn fine adjustment

RELATED PRODUCTS

- Installation Base or Single Mount Base Socket (model: M8BSx)

This unit must be mounted on dedicated base or socket.

GENERAL SPECIFICATIONS

Construction: Plug-in

Mounting screw: M3 screw (torque 0.3 N·m)

Housing material: Flame-resistant resin (black)

Power supply: Via the Installation Base terminals
(model: M8BSx)

Isolation: Input to output to power

Zero adjustment: -2 to +2 % (front)

Span adjustment: 98 to 102 % (front)

INPUT SPECIFICATIONS

■ DC Current: Input resistor incorporated

■ DC Voltage

Input resistance: 1 M Ω min. (10 k Ω min. at loss of power)

INSTALLATION

Current consumption: Approx. 50 mA

Operating temperature: 0 to 55°C (32 to 131°F)

Operating humidity: 30 to 95 %RH (non-condensing)

Mounting: Installation Base (model: M8BSx)

Weight: 70 g (2.5 oz)

PERFORMANCE in percentage of span

Accuracy: \pm 0.1 %

Temp. coefficient: \pm 0.015 %/°C (\pm 0.008 %/°F)

Response time: \leq 15 msec. (0 - 90 %)

Line voltage effect: \pm 0.1 % over voltage range

Insulation resistance: \geq 100 M Ω with 500 V DC

Dielectric strength:

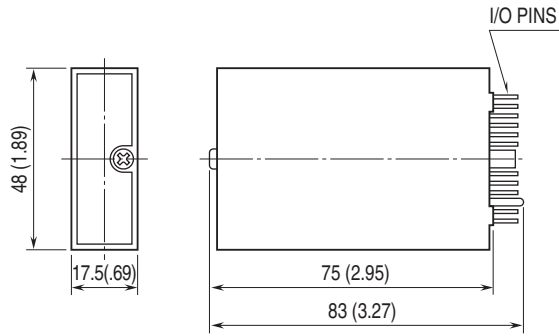
1500 V AC @1 minute(input or power to output to ground)

500 V AC @1 minute(input to power)

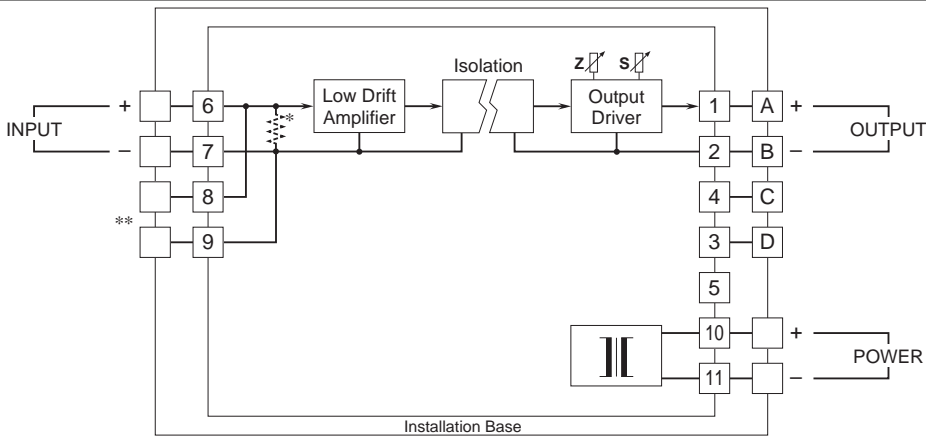
SWC test: ANSI/IEEE-C37.90.1-1989



DIMENSIONS unit: mm (inch)



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



* Input shunt resistor incorporated for current input.
 **Use either of the 6 – 7 or 8 – 9 terminals for input.



Specifications are subject to change without notice.