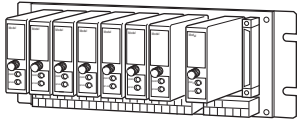


## Super-mini Signal Conditioners Mini-M Series

### INSTALLATION BASE (8 positions)

#### Functions & Features

- Receiving at the maximum of 8 modules of Mini-M series signal conditioners
- Connector output
- Power supplied through printed wiring on the base
- UL approval, CE marking



### MODEL: M2BS-8[1][2]

#### ORDERING INFORMATION

- Code number: M2BS-8[1][2]
- Specify a code from below for [1] and [2].  
(e.g. M2BS-8U1)

#### [1] FUNCTION

- U1:** Fujitsu FCN type I/O connector (UL not available)  
**U2:** Omron I/O connector

#### [2] OPTIONS (multiple selections)

##### MOUNTING

- blank:** Surface  
**/D:** DIN rail mounting adaptor

##### STANDARDS & APPROVALS

- blank:** Without UL or CE  
**/UL:** UL approval (CE marking)

#### RELATED PRODUCTS

- Connector terminal block (model: CNT)
- Special cable with 40-pin connector (model: FCN)

#### GENERAL SPECIFICATIONS

- Capacity:** 8 positions  
**Connection**  
**Power input:** M3 screw terminals (torque 0.8 N·m)  
**Input and output:** M3 screw terminals (torque 0.8 N·m)  
**Screw terminal:** Nickel-plated steel

#### INSTALLATION

- Power input:** Refer to signal conditioner data sheet. Choose the same power input specification for all units.  
**Operating temperature:** -5 to +55°C (23 to 131°F)  
**Operating humidity:** 30 to 90 %RH (non-condensing)  
**Mounting:** wall; optional DIN rail mounting available (in horizontal direction only)  
**Weight:** 780 g (1.72 lbs)

#### PERFORMANCE

- Insulation resistance:**  $\geq 100 \text{ M}\Omega$  with 500 V DC (input to output to power to FG)  
**Dielectric strength:** 2000 V AC @1 minute (input to output to power to FG)

#### STANDARDS & APPROVALS

##### CE conformity:

- EMC Directive (2004/108/EC)
- EN 61000-6-4 (EMI)
- EN 61000-6-2 (EMS)
- Low Voltage Directive (2006/95/EC)
- EN 61010-1
- Installation Category II
- Pollution Degree 2
- Max. operating voltage 300 V
- Input or output to power: Reinforced insulation
- Input to output: Basic insulation

##### Approval:

- UL/C-UL nonincendive Class I, Division 2, Groups A, B, C, and D hazardous locations (UL 1604, CAN/CSA-C22.2 No.213);
- UL/C-UL general safety requirements (UL 3111-1, CAN/CSA-C22.2 No.1010-1)
- Voltage at the field I/O terminals (except power input terminals) limited within 30V DC for UL.

**CONNECTION DIAGRAM**

■ **MODEL: M2BS-8U1 (Fujitsu FCN type I/O connector FCN364P040-AU)**

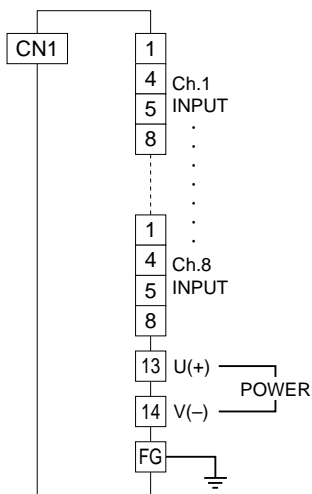
• Connector Pin Assignment

CN1: output

PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
A1	ch.1 +	B1	ch.1 -
A2	ch.2 +	B2	ch.2 -
A3	ch.3 +	B3	ch.3 -
A4	ch.4 +	B4	ch.4 -
A5	ch.5 +	B5	ch.5 -
A6	ch.6 +	B6	ch.6 -
A7	ch.7 +	B7	ch.7 -
A8	ch.8 +	B8	ch.8 -

A9 - A20, B9 - B20: Unused

■ **CONNECTION DIAGRAM**



■ **MODEL: M2BS-8U2 (Omron I/O connector XG4A-3431)**

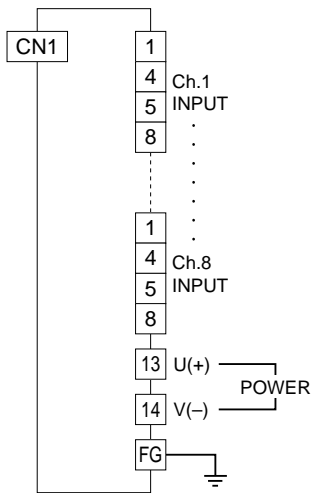
• Connector Pin Assignment

CN1: output

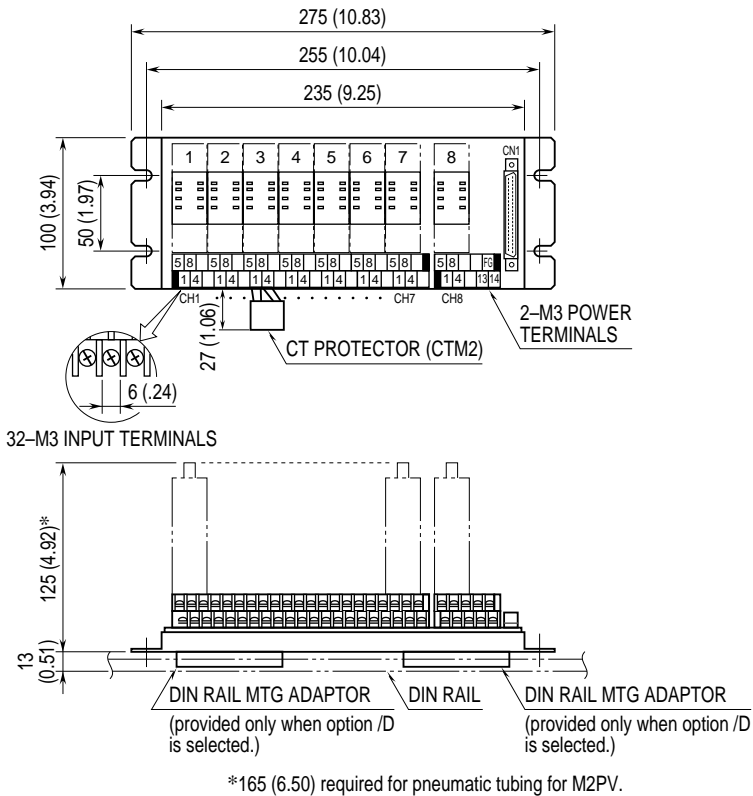
PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
1	ch.1 +	2	ch.1 -
3	ch.2 +	4	ch.2 -
5	ch.3 +	6	ch.3 -
7	ch.4 +	8	ch.4 -
9	ch.5 +	10	ch.5 -
11	ch.6 +	12	ch.6 -
13	ch.7 +	14	ch.7 -
15	ch.8 +	16	ch.8 -

17 - 34: Unused

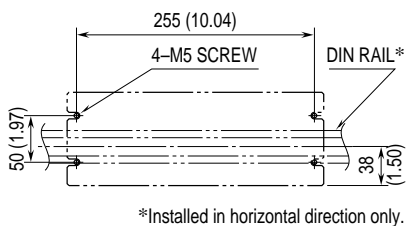
## CONNECTION DIAGRAM



## DIMENSIONS unit: mm (inch)



## MOUNTING REQUIREMENTS unit: mm (inch)





Specifications are subject to change without notice.