



Standard Specification Sheet Model: M3602B
Output Isolation Module for 0~1V input and 4~20mA output
Bottom trimmer model

OVERVIEW



This is analog isolation module that accepts 0~1V signal, provides isolation and converts into 4~20mA signal.

- ▽ Output isolation module (Ports for input and power are connected with common ground terminal.)
- ▽ Signal bandwidth: 250Hz~3dB
- ▽ Potting by polyurethane resin and gold plate with I/O pins make it durable for harsh environment.
- ▽ Zero and span adjustment trimmers are placed at the bottom of the module.

SPECIFICATIONS

INPUT SECTION

Input Signal	0~1V DC
Input Resistance	1MΩ min. (1MΩ without power @specified input)
Allowable Overvoltage	±30V max.
Input Offset Voltage	±0.5mV max.
Input Bias Current	20nA max.

OUTPUT SECTION

Output Signal	4~20mA DC
Output Resistance	1MΩ min.
Load Resistance	200~600Ω
Zero Adjustment	Approx. ±1.5% of span
Span Adjustment	Approx. ±2% of span

PERFORMANCE

Accuracy Rating	±0.05%/F.S. (@25°C ±5°C)
Non-Linearity	±0.05%/F.S.
Zero Drift	±0.005%/F.S./°C
Gain Drift	±0.015%/F.S./°C
Band Width	250Hz~3dB or 2msec. max. (0→90%) @0→100% step input
Insulation Resistance	100MΩ min. (@500V DC) Across Output and Input + Power input
Dielectric Strength	Across Output and Input + Power input: 1,500V AC for 1 minute (cutoff current: 0.5mA)
Power Requirement	15V DC ±2%
Power Consumption	35mA max.
Operating Environment	Ambient temperature: 0~60°C Humidity: 5~90%RH max. (Non-condensation)

Storage Temperature	-20~80°C
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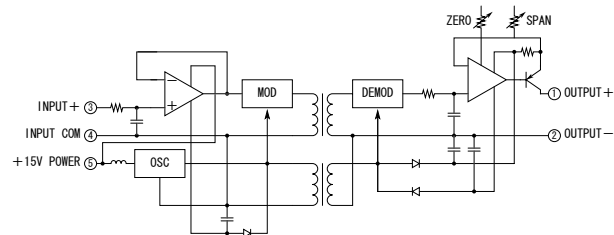
PHYSICAL and MATERIAL

Outer Dimension	W48×H32×D14mm
Weight	Approx. 35g
Housing Material	PBT
PCB	Glass Fabric, Epoxy Resin
Potting	Polyurethane Resin

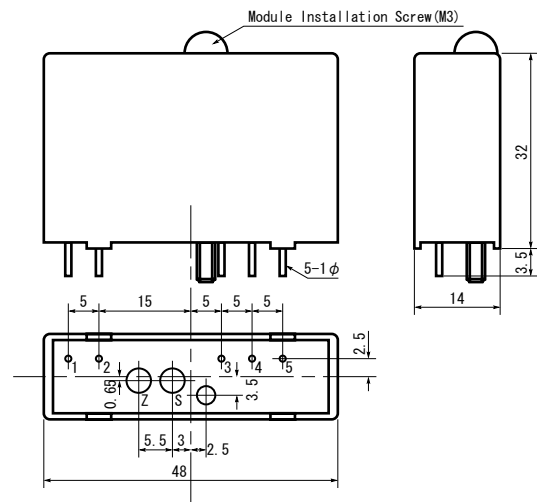
ORDERING INFORMATION

Ordering Code	Standard Price
M3602B	OPEN

CIRCUIT BLOCK DIAGRAM



DIMENSIONAL DRAWING



	Pin Assignment
1	OUTPUT +
2	OUTPUT -
3	INPUT +
4	INPUT COM.
5	POWER +15V