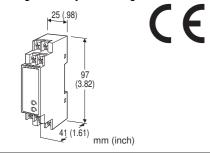
MODEL: B5SN

Super-mini Two-wire Terminal Block Signal Conditioners B5-UNIT

INPUT LOOP POWERED ISOLATOR

Functions & Features

- Input-loop-powered design eliminates need for an output loop power supply
- 350 Ω output drive
- · High-density mounting



MODEL: B5SN-AA[1]

ORDERING INFORMATION

• Code number: B5SN-AA[1] Specify a code from below for [1].

(e.g. B5SN-AA/Q)

 Specify the specification for option code /Q (e.g. /C01)

INPUT

Current

A: 4 - 20 mA DC

OUTPUT

Current

A: 4 - 20 mA DC

[1] OPTIONS

blank: none

/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q

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

/C01: Silicone coating /C02: Polyurethane coating /C03: Rubber coating Screw terminal: Nickel-plated steel

Housing material: Flame-resistant resin (black)

Isolation: Input to output

Zero adjustment: -0.5 to +0.5 % (front) **Span adjustment**: 98.5 to 101.5 % (front)

INPUT & OUTPUT

• Input 4 - 20 mA DC / Output 4 - 20 mA DC

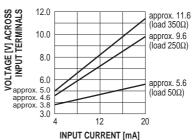
Equivalent input impedance: 230 Ω plus load resistance

with 20 mA input

Operational range: 3 – 22 mA DC (Accuracy is assured within 4 – 22 mA)

Load resistance: 350 Ω maximum; min. 50 Ω required for

adequate operation



INSTALLATION

Operating temperature: -5 to +55°C (23 to 131°F)
Operating humidity: 0 to 90 %RH (non-condensing)

Mounting: DIN rail **Weight**: 60 g (2.1 oz)

PERFORMANCE in percentage of span

Accuracy: ±0.1 %

Temp. coefficient: ± 0.02 %/°C (± 0.01 %/°F) Response time: Approx. 15 msec. (0 – 90 %) Load effect: (factory-calibrated with 250 Ω load)

 $0.015 \%/\Omega (50 - 150 \Omega)$ $0.003 \%/\Omega (150 - 350 \Omega)$

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

Dielectric strength:

500 V AC @1 minute (input to output)

2000 V AC @1 minute (input or output to ground)

STANDARDS & APPROVALS

CE conformity:

EMC Directive (2004/108/EC) EMI EN 61000-6-4: 2007 EMS EN 61000-6-2: 2005

GENERAL SPECIFICATIONS

Construction: Terminal block

Connection: M3.5 screw terminals (torque 0.8 N·m)

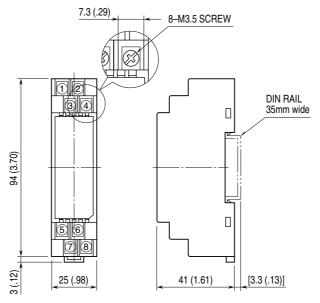


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FAX: (02)2596-2331 Website: www.xintop.com

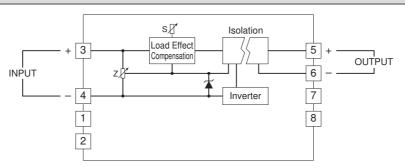
MODEL: B5SN

EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)



• When mounting, no extra space is needed between units.

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.

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