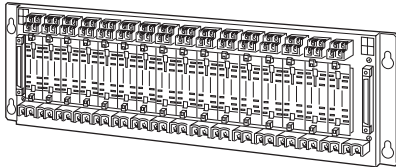


INSTALLATION BASE (16 positions)

Functions & Features

- Saving individual wiring work for panel installation of the H-UNIT modules
- High-density mounting
- 16 outputs available at the connector
- Printing wiring for line voltage distribution
- Monitoring at screw terminals



MODEL: BS-16[1][2]

ORDERING INFORMATION

- Code number: BS-16[1][2]
- Specify a code from below for each of [1] and [2].
(e.g. BS-16H1/Q)
- Specify the specification for option code /Q
(e.g. /C01)

CAPACITY

16: 16 units

[1] FUNCTION

- H1: Input & output connector plus power distribution
H2: Loop powered isolator use (output connector)
H3: Power distribution

[2] OPTIONS

blank: none

/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q

COATING (For the detail, refer to our web site.)

Only solder side of the main PWB is coated.

/C01: Silicone coating

/C02: Polyurethane coating

/C03: Rubber coating

RELATED PRODUCTS

- Resistor module (model: REM-x)
- Special cable with 40-pin connector (model: FCN)

GENERAL SPECIFICATIONS

Capacity: 16 positions

Connection: M3.5 screw terminals (torque 0.8 N·m) and 40-pin connector(s)

Screw terminal: Nickel-plated steel

Isolation

BS-16H1: I/O connector to power to ground

BS-16H2: Input to output terminals or connector to ground

BS-16H3: Input to output or connector to power to ground

INPUT & OUTPUT

■ BS-16H1

Input: DC voltage; resistor module (model: REM-x) attached to the input terminals for current input

Output: DC voltage or current*

Connection: Screw terminals and 40-pin connector

Power input: 16 loops collectively

■ BS-16H2 (model HSN use)

Input: Loop powered isolator (4 - 20 mA DC or 10 - 50 mA DC)

Output: 1 - 5V DC or 4 - 20 mA DC*

Connection: Screw terminals and 40-pin connector

Power input: Not required

■ BS-16H3

Input: DC voltage; resistor module (model: REM-x) attached to the input terminals for current input

Output: DC voltage or current

Connection: Screw terminals

Power input: 16 loops collectively

*For current signals, either screw terminal or 40-pin connector is available.

INSTALLATION

Power input

•DC: 24 V DC $\pm 10\%$

Operating temperature: -5 to +60°C (23 to 140°F)

Operating humidity: 30 to 90 %RH (non-condensing)

Mounting: Surface

Weight: 1.8 kg (4.0 lb)

PERFORMANCE

Insulation resistance: $\geq 100\text{ M}\Omega$ with 500 V DC

Dielectric strength

BS-16H1: 500 V AC @ 1 minute

(I/O connector to power)

1500 V AC @ 1 minute (power to ground)

500 V AC @ 1 minute (I/O connector power to ground)

BS-16H2: 500 V AC @ 1 minute

(Input to output terminals or connector to ground)

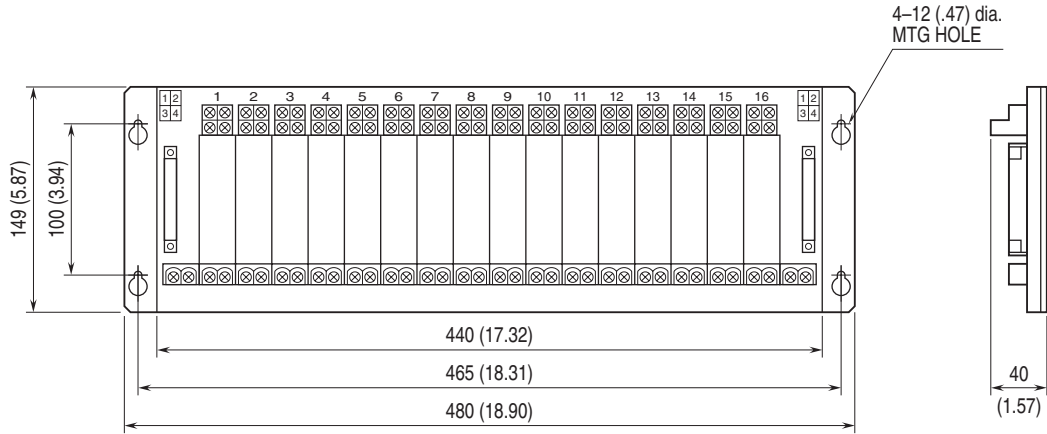
BS-16H3: 500 V AC @ 1 minute

(Input to output to power)

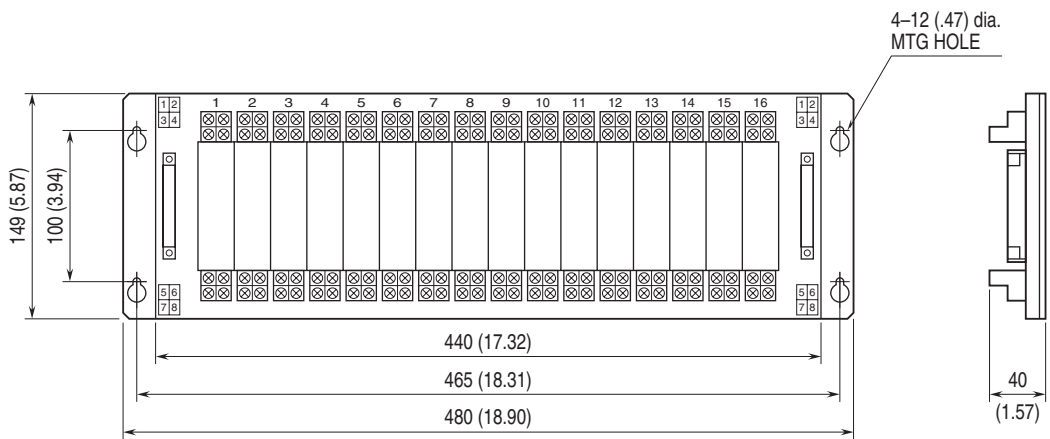
1500 V AC @ 1 minute (power to ground)
 500 V AC @ 1 minute (Input or output to ground)

EXTERNAL DIMENSIONS unit: mm [inch]

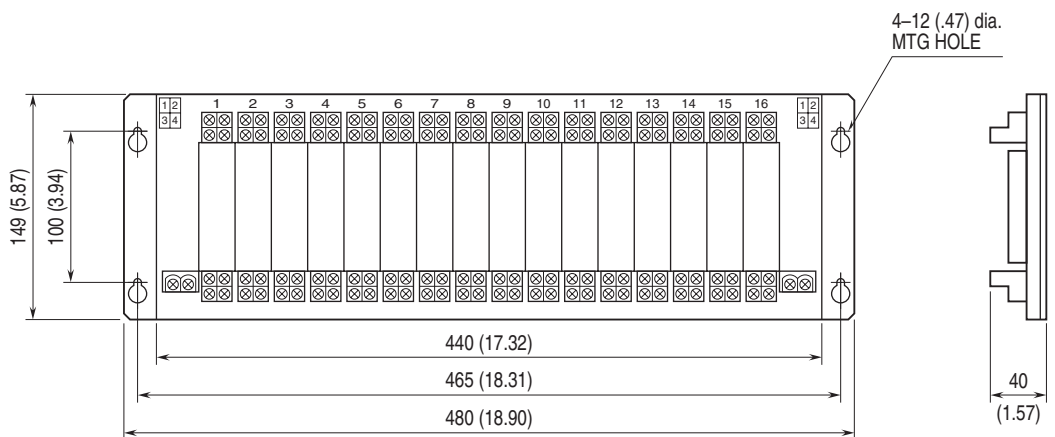
■BS-16H1



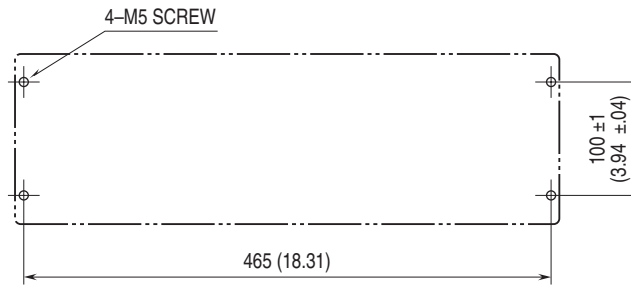
■BS-16H2



■BS-16H3



MOUNTING REQUIREMENTS unit: mm [inch]



I/O CONNECTOR PIN ASSIGNMENT

■ BS-16H1 (Fujitsu FCN type connector)

| XMTR INPUT | CN1 | | XMTR OUTPUT | CN2 | |
|-------------|------------|------------|--------------|------------|------------|
| | A SIDE (+) | B SIDE (-) | | A SIDE (+) | B SIDE (-) |
| No. 1 input | 1 | 1 | No. 1 output | 1 | 1 |
| No. 2 input | 2 | 2 | No. 2 output | 2 | 2 |
| No. 3 input | 3 | 3 | No. 3 output | 3 | 3 |
| No. 4 input | 4 | 4 | No. 4 output | 4 | 4 |
| No. 5 input | 5 | 5 | No. 5 output | 5 | 5 |
| No. 6 input | 6 | 6 | No. 6 output | 6 | 6 |
| No. 7 input | 7 | 7 | No. 7 output | 7 | 7 |
| No. 8 input | 8 | 8 | No. 8 output | 8 | 8 |
| No. 9 input | 9 | 9 | No. 9 output | 9 | 9 |
| No.10 input | 10 | 10 | No.10 output | 10 | 10 |
| No.11 input | 11 | 11 | No.11 output | 11 | 11 |
| No.12 input | 12 | 12 | No.12 output | 12 | 12 |
| No.13 input | 13 | 13 | No.13 output | 13 | 13 |
| No.14 input | 14 | 14 | No.14 output | 14 | 14 |
| No.15 input | 15 | 15 | No.15 output | 15 | 15 |
| No.16 input | 16 | 16 | No.16 output | 16 | 16 |
| UNUSED | 17 | 17 | UNUSED | 17 | 17 |
| | 18 | 18 | | 18 | 18 |
| | 19 | 19 | | 19 | 19 |
| | 20 | 20 | | 20 | 20 |

■ BS-16H2 (Fujitsu FCN type connector)

| XMTR OUTPUT | | CN1 | | XMTR OUTPUT | | CN2 | |
|-------------|-------|------------|------------|-------------|-------|------------|------------|
| | | A SIDE (+) | B SIDE (-) | | | A SIDE (+) | B SIDE (-) |
| No. 1 | ch. 1 | 1 | 1 | No. 9 | ch. 1 | 1 | 1 |
| | ch. 2 | 2 | 2 | | ch. 2 | 2 | 2 |
| No. 2 | ch. 1 | 3 | 3 | No.10 | ch. 1 | 3 | 3 |
| | ch. 2 | 4 | 4 | | ch. 2 | 4 | 4 |
| No. 3 | ch. 1 | 5 | 5 | No.11 | ch. 1 | 5 | 5 |
| | ch. 2 | 6 | 6 | | ch. 2 | 6 | 6 |
| No. 4 | ch. 1 | 7 | 7 | No.12 | ch. 1 | 7 | 7 |
| | ch. 2 | 8 | 8 | | ch. 2 | 8 | 8 |
| No. 5 | ch. 1 | 9 | 9 | No.13 | ch. 1 | 9 | 9 |
| | ch. 2 | 10 | 10 | | ch. 2 | 10 | 10 |
| No. 6 | ch. 1 | 11 | 11 | No.14 | ch. 1 | 11 | 11 |
| | ch. 2 | 12 | 12 | | ch. 2 | 12 | 12 |
| No. 7 | ch. 1 | 13 | 13 | No.15 | ch. 1 | 13 | 13 |
| | ch. 2 | 14 | 14 | | ch. 2 | 14 | 14 |
| No. 8 | ch. 1 | 15 | 15 | No.16 | ch. 1 | 15 | 15 |
| | ch. 2 | 16 | 16 | | ch. 2 | 16 | 16 |
| UNUSED | | 17 | 17 | UNUSED | | 17 | 17 |
| | | 18 | 18 | | | 18 | 18 |
| | | 19 | 19 | | | 19 | 19 |
| | | 20 | 20 | | | 20 | 20 |



Specifications are subject to change without notice.