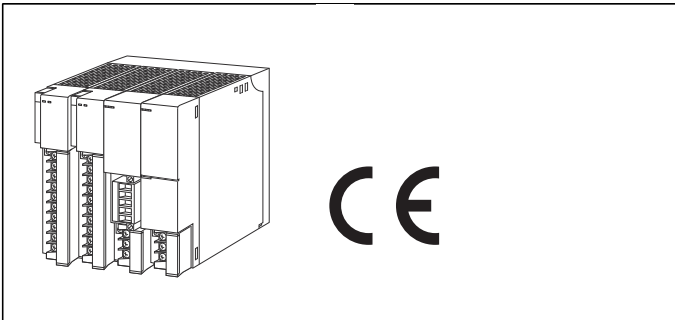## Remote I/O R3 Series

INSTALLATION BASE

MODEL: R3-BS[1][2]

ORDERING INFORMATION

• Code number: R3-BS[1][2]
Specify a code from below for each of [1] and [2].
  (e.g. R3-BS10/CE/Q)
• Specify the specification for option code /Q
  (e.g. /C01)

[1] NUMBER OF SLOTS

02: 2 slots
02P: 2 slots (R3-NP1 only)
04: 4 slots
06: 6 slots
08: 8 slots
10: 10 slots
12: 12 slots
14: 14 slots
16: 16 slots

[2] OPTIONS (multiple selections)

Standards & Approvals
blank: Without CE
/CE: CE marking
Other Options
blank: none
/Q: Option other than the above (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

GENERAL SPECIFICATIONS

Capacity:
R3-BS02: 2 modules
R3-BS02P: 2 modules
R3-BS04: 4 modules
R3-BS06: 6 modules
R3-BS08: 8 modules
R3-BS10: 10 modules
R3-BS12: 12 modules
R3-BS14: 14 modules
R3-BS16: 16 modules

INSTALLATION

Operating temperature: -10 to +55°C (14 to 131°F)
Operating humidity: 30 to 90 %RH (non-condensing)
Atmosphere: No corrosive gas or heavy dust
Mounting: Surface or DIN rail
Weight (No remote I/O module mounted)
R3-BS02: 100 g (0.22 lb)
R3-BS02P: 100 g (0.22 lb)
R3-BS04: 150 g (0.33 lb)
R3-BS06: 200 g (0.44 lb)
R3-BS08: 250 g (0.55 lb)
R3-BS10: 350 g (0.77 lb)
R3-BS12: 400 g (0.88 lb)
R3-BS14: 450 g (0.99 lb)
R3-BS16: 500 g (1.10 lb)

STANDARDS & APPROVALS

EU conformity:
EMC Directive
  EMI EN 61000-6-4
  EMS EN 61000-6-2
RoHS Directive

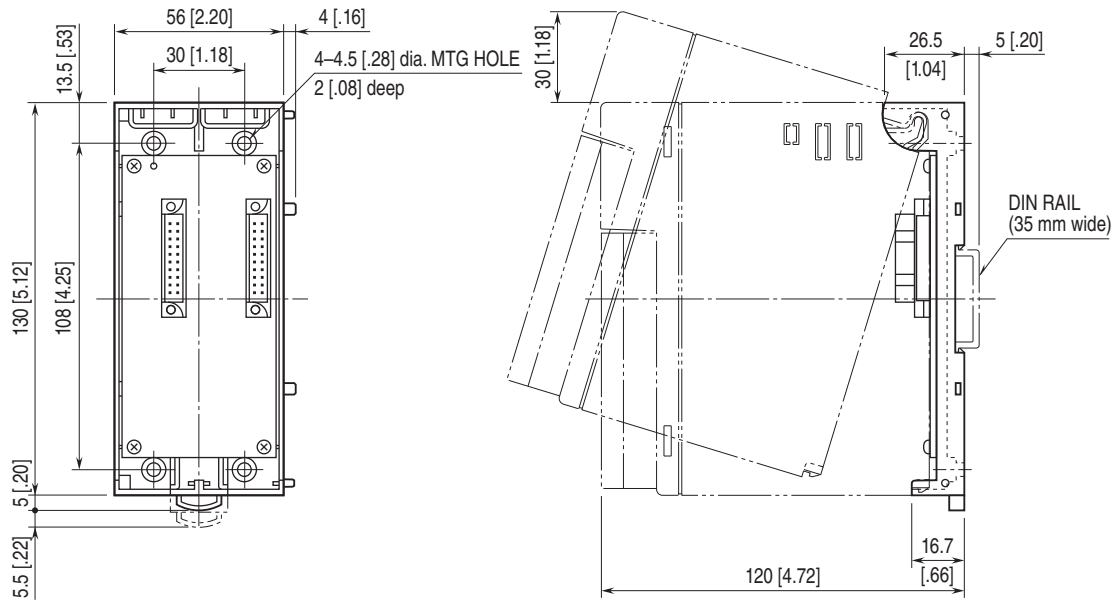MG CO., LTD.
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EXTERNAL VIEW

Mount the I/O Modules from the left end (I/O 1) to the right in order that the Network Module assigns data areas from I/O 1.
Be sure to install a network module on the right side of the I/O modules. For a power supply module, be sure to install in the right end slot for heat dissipation. In the case of redundant power supply, consecutively install them in the right end slot.
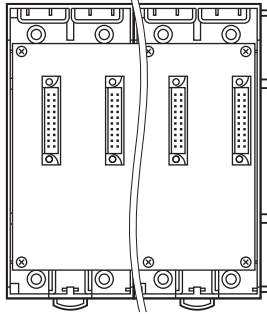
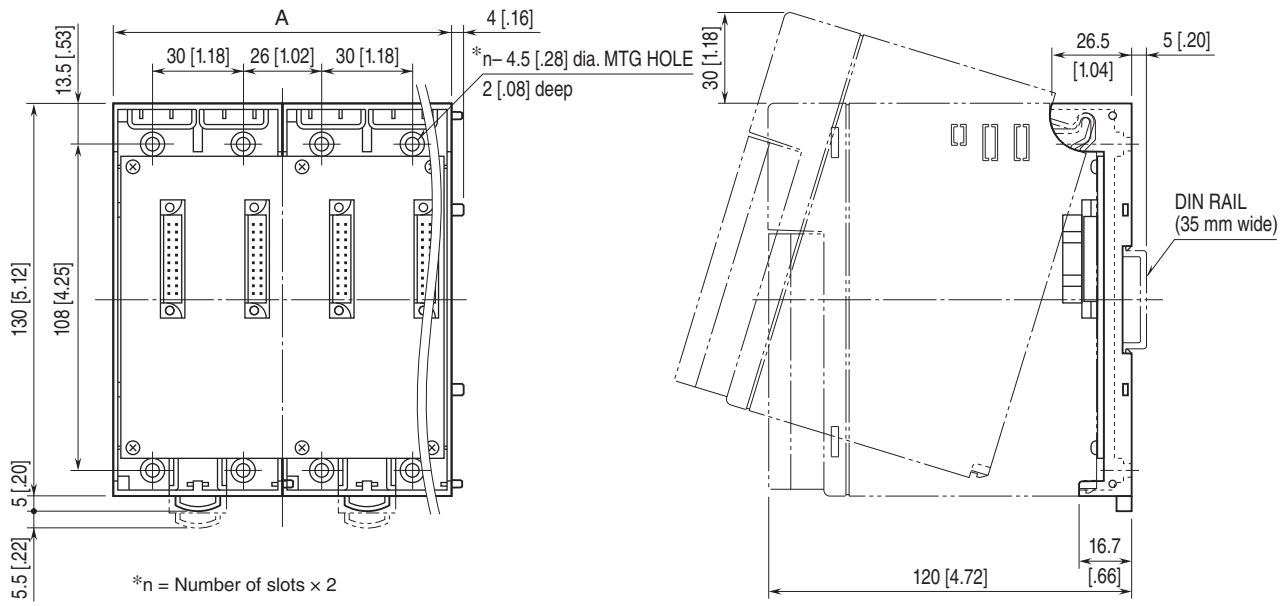## EXTERNAL DIMENSIONS   unit: mm [inch]

■R3-BS02, BS02P

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■R3-BS04, BS06, BS08, BS10, BS12, BS14, BS16

13.5 [.53]
30 [1.18] 26 [1.02] 30 [1.18]
A
4 [.16]
*n– 4.5 [.28] dia. MTG HOLE
2 [.08] deep

130 [5.12]
108 [4.25]
5 [.20]
5.5 [.22]

*n = Number of slots × 2

30 [1.18]
26.5 [1.04] 5 [.20]

DIN RAIL
(35 mm wide)

16.7 [.66]
120 [4.72]

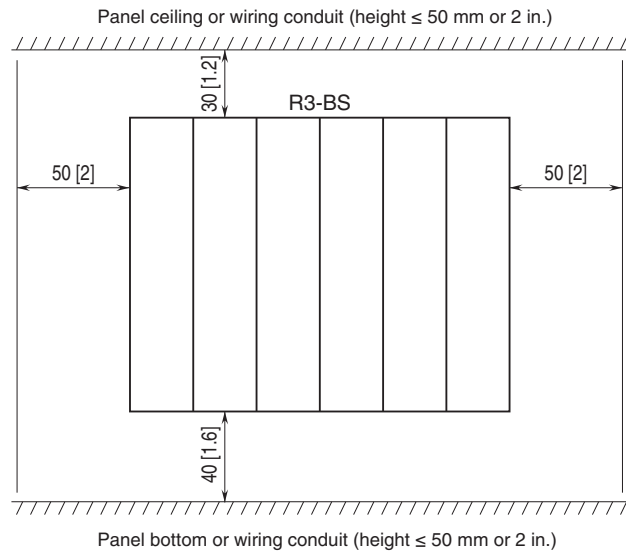| MODEL	SIZE A
R3-BS04	112 [4.40]
R3-BS06	168 [6.61]
R3-BS08	224 [8.82]
R3-BS10	280 [11.02]
R3-BS12	336 [13.23]
R3-BS14	392 [15.43]
R3-BS16	448 [17.64]

MOUNTING REQUIREMENTS　 unit: mm [inch]

■ MOUNTING DIRECTION

The unit must be mounted on a vertical panel. Mounting in any other angle will cause internal temperature to rise,
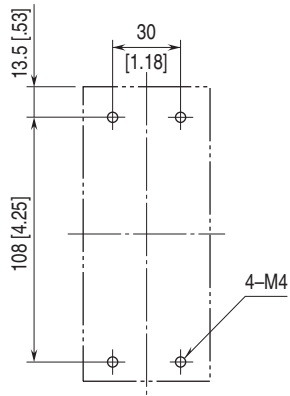may shorten the product's life expectation or deteriorate its performance.
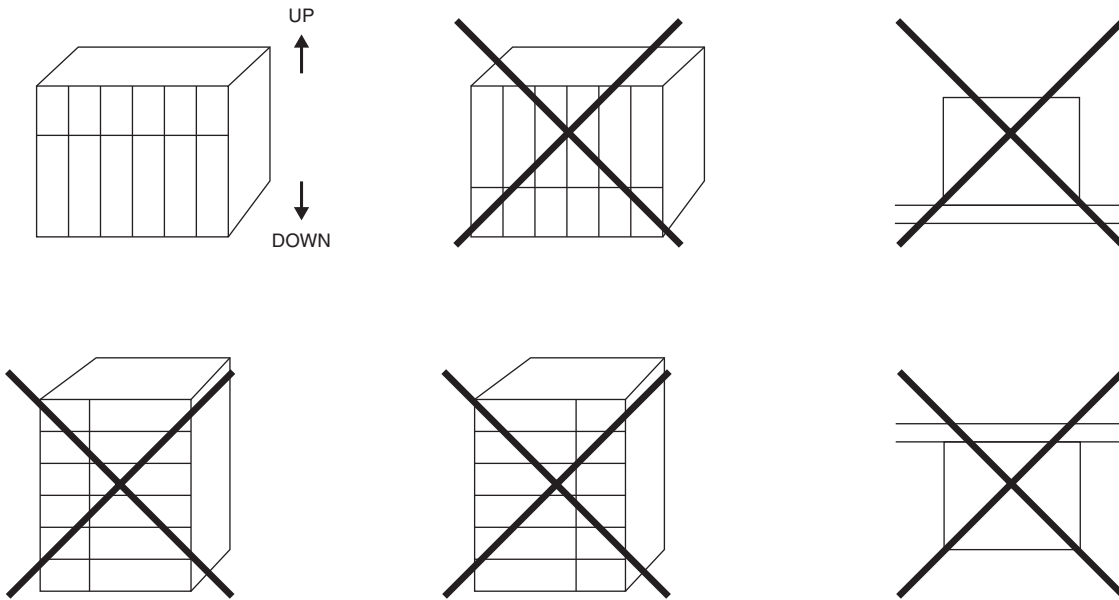
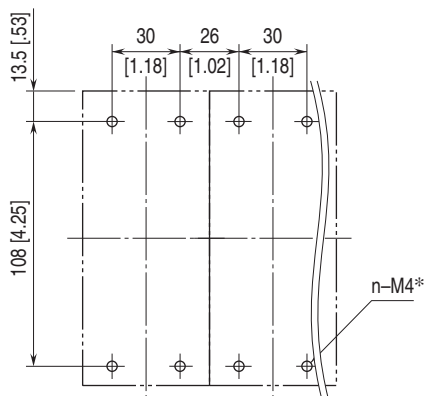
■ VENTILATION & MAINTENANCE SPACE

Maintain sufficient ventilation space. Do not mount the unit
directly above devices which radiate great heat such as
heaters, transformers or resistors.
Maintenance space is also required above and below the unit.

Panel ceiling or wiring conduit (height ≤ 50 mm or 2 in.)

30 [1.2]

R3-BS

50 [2]　　　　　　　　　　　　　　　　　　　50 [2]

40 [1.6]

Panel bottom or wiring conduit (height ≤ 50 mm or 2 in.)

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■ **R3-BS02, BS02P**   ■ **R3-BS04, BS06, BS08, BS10, BS12, BS14, BS16**

*n = Number of slots × 2

⚠ Specifications are subject to change without notice.

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