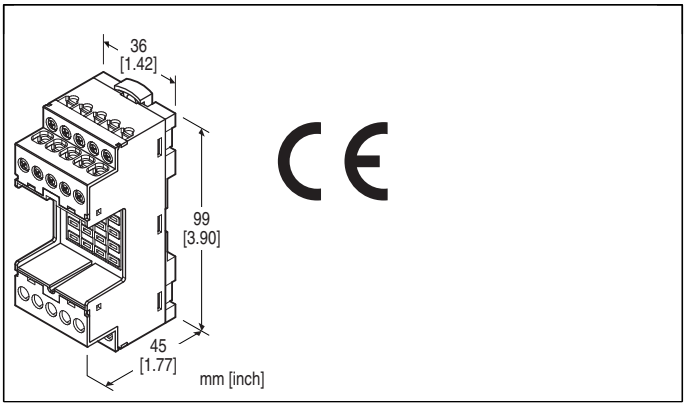
## Plug-in Remote I/O R10 Series

## INSTALLATION BASE




## MODEL: R10-BS1[1]

## ORDERING INFORMATION

• Code number: R10-BS1[1]
Specify a code from below for [1].
(e.g. R10-BS1/Q)
• Specify the specification for option code /Q
(e.g. /C01)

## BASE TYPE

1: For R10M series

## [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

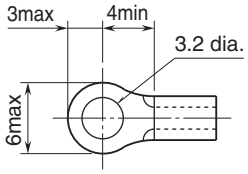
## RELATED PRODUCTS

• Remote I/O R10 series

## GENERAL SPECIFICATIONS

Construction: Plug-in
Connection: M2.6 screw terminals (torque 0.5 N·m)
• Connected to I/O module with connector
Screw terminal: Nickel-plated steel
Housing material: Flame-resistant resin (black)

**■Recommended solderless terminal size - M3 (unit: mm)**




(mm)

## INSTALLATION

Power input: Refer to the I/O module
Operating temperature: -10 to +55°C (14 to 131°F)
Storage temperature: -10 to +55°C (14 to +131°F)
Operating humidity: 10 to 90 %RH (non-condensing)
Atmosphere: No corrosive gas or heavy dust
Mounting: Surface or DIN rail (35 mm rail)
Weight (when the I/O module is not mounted): 105 g (0.23 lb)

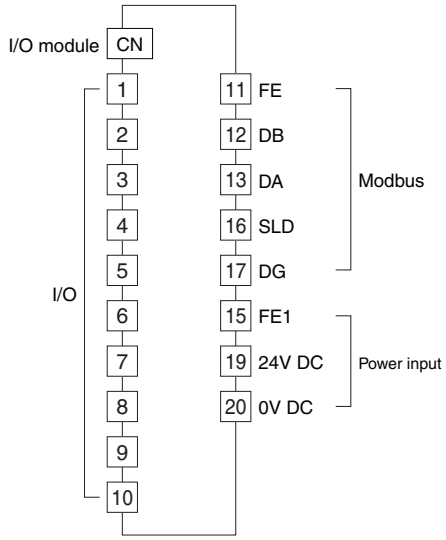
## PERFORMANCE

Insulation resistance: ≥ 100 MΩ with 500 V DC
(I/O to power to commnication to FE1)
Dielectric Strength: 1500 V AC @ 1 minute
(I/O to power to communication to FE1)

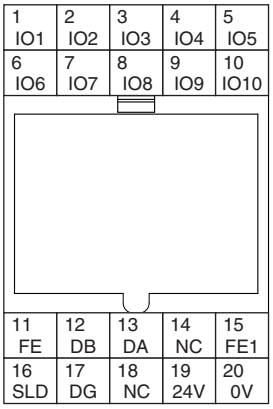
## STANDARDS & APPROVALS

Conforming to related products
RoHS Directive

## CONNECTION DIAGRAM




## TERMINAL ASSIGNMENTS

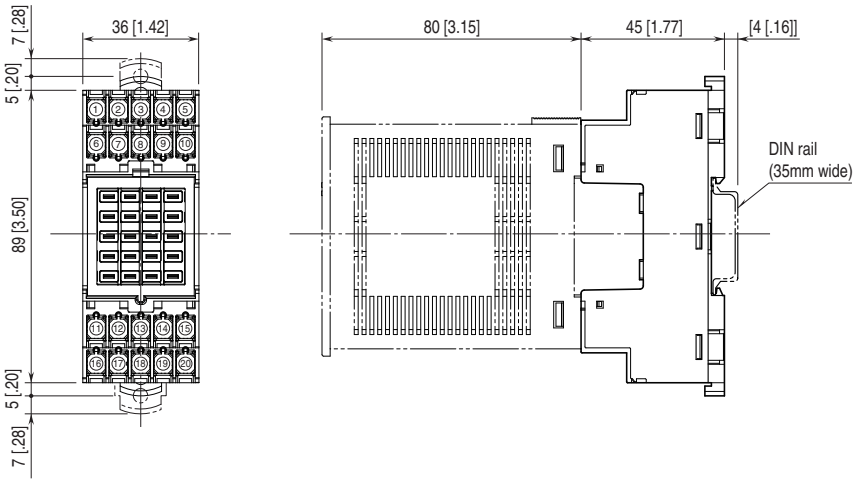



| PIN NO. | ID | FUNCTION | PIN NO. | ID | FUNCTION |
|---|---|---|---|---|---|
| 1 | IO1 | I/O Terminal 1 | 11 | FE | Modbus ground |
| 2 | IO2 | I/O Terminal 2 | 12 | DB | DB |
| 3 | IO3 | I/O Terminal 3 | 13 | DA | DA |
| 4 | IO4 | I/O Terminal 4 | 14 | NC | Unused |
| 5 | IO5 | I/O Terminal 5 | 15 | FE1 | Power ground |
| 6 | IO6 | I/O Terminal 6 | 16 | SLD | Shield |
| 7 | IO7 | I/O Terminal 7 | 17 | DG | DG |
| 8 | IO8 | I/O Terminal 8 | 18 | NC | Unused |
| 9 | IO9 | I/O Terminal 9 | 19 | 24V | Power supply 24V DC |
| 10 | IO10 | I/O Terminal 10 | 20 | 0V | Power supply 0V DC |

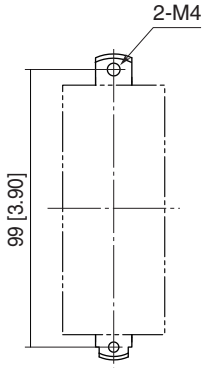
Refer to the uses manual of I/O unit for I/O Terminal 1 to 10.

*** Base does not come with the unit. Please order separately.**

## EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm [inch]



## MOUNTING REQUIREMENTS unit: mm [inch]




⚠ Specifications are subject to change without notice.