

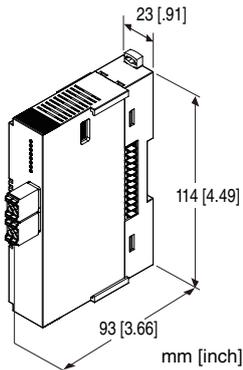
Remote I/O PLC8 Series

DISCRETE INPUT OUTPUT MODULE

(Di 2 points (internal power), Do 2 points (photo MOSFET relay))

Functions & Features

- 2 channels for discrete input and 2 channels for discrete output, compact size remote I/O module
- Tension clamp connector



MODEL: PLC8-DAC4[1]

ORDERING INFORMATION

- Code number: PLC8-DAC4[1]
- Specify a code from below for [1].
(e.g. PLC8-DAC4/1/Q)
- Specify the specification for option code /Q
(e.g. /C01)

[1] OPTIONS (multiple selections)

Program Version (must be specified)

/1: 1.0.1.0

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.)

/C01: Silicone coating

/C02: Polyurethane coating

RELATED PRODUCTS

- Controller PLC8 Series
- Remote I/O PLC8 Series
- EDS file
(downloadable at our web site.)

GENERAL SPECIFICATIONS

Construction: Stand-alone

Connection:

- Discrete input, discrete output

Device side connector: In-house made

Applicable connector: DFMC1,5/2-ST-3,5 (Phoenix Contact)
(included in the package)

Applicable wire size: 0.2 - 1.5 mm², stripped length 10 mm

- **Excitation supply, internal bus:**

Connected to internal bus connector

- **Internal power:** Via internal bus connector

Isolation: Discrete input or discrete output or exc. supply to internal bus or internal power to FE

INPUT SPECIFICATIONS

- Discrete input

Number of input: 2 points

Isolation: Photocoupler isolation

Input resistance: Approx. 6 kΩ

Common: 1 common per 2 points

Input detection voltage: 24 V DC ± 10 % (supplied from exc. supply)

ON current/resistance: ≥ 2.5 mA/ ≤ 2 kΩ

OFF current/resistance: ≤ 1.5 mA/ ≥ 10 kΩ

Sampling rate: 8 msec.

OUTPUT SPECIFICATIONS

- Discrete output

Number of output: 2 points

Discrete specification: Photo MOSFET relay output

Common: 1 point per common

Rated load voltage: 50 V AC

Maximum load current: 200 mA

Maximum ON resistance: 0.5 Ω

Sampling rate: 1 msec.

INSTALLATION

Power consumption: ≤ 0.45 W

- **Internal power:** 5 V DC @ 48 mA

- **Excitation supply output:** 24 V DC @ 8.5 mA

Operating temperature: -10 to +55°C (14 to 131°F)

Operating humidity: 10 to 90 %RH (non-condensing)

Ambience: No corrosive gas or heavy dust; no strong electric/magnetic field; no direct effect of vibration or physical impact

Mounting: DIN rail

Weight: 130 g (0.29 lb)

PERFORMANCE

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

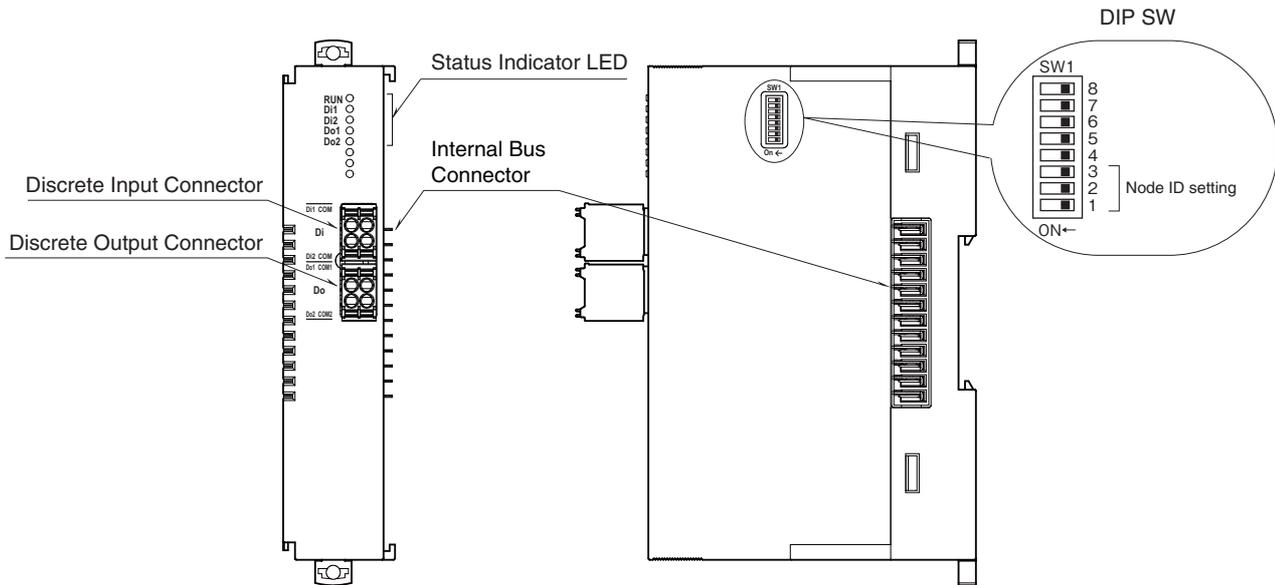
Dielectric strength: 1500 V AC @ 1 minute

(discrete input or discrete output or exc. supply to internal bus or internal power to FE)

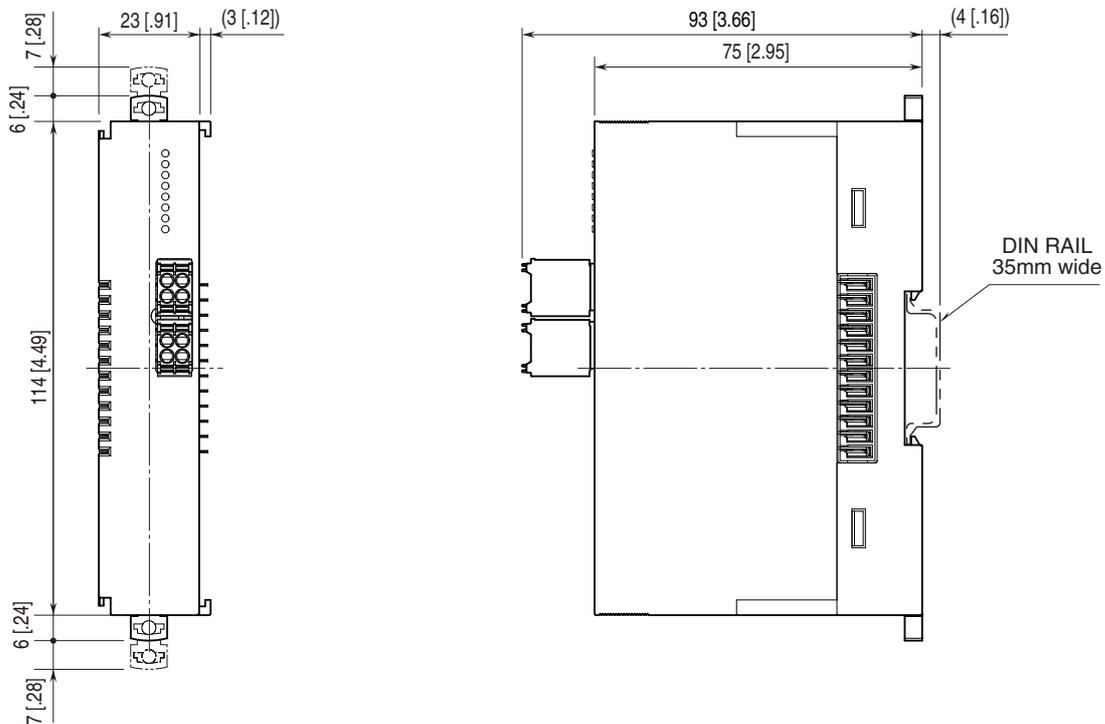
EXTERNAL VIEW

■ FRONT VIEW

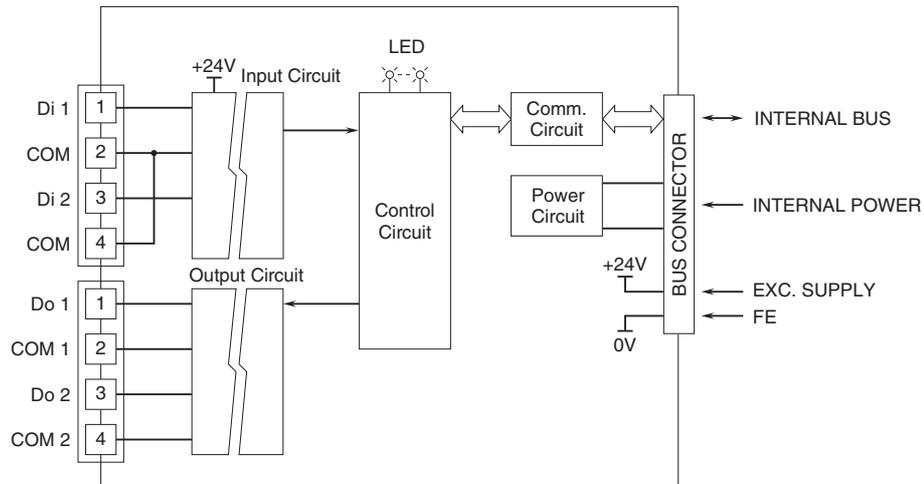
■ SIDE VIEW



EXTERNAL DIMENSIONS unit: mm [inch]



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.