2.3.2 Relay Output Specifications

- **FX2NC-16EYR-T**
  - Switched voltage (resistive load): 240V AC, ≤30V DC
  - Max. Inductive load: 2A at point if one COM is used, make sure that the total load current of the 8 resistance load points is 4 A or less.
  - Response time (approx.): OFF - ON <0.2ms (100mA/24V DC), ON - OFF <0.2ms (100mA/24V DC).

2.4.1 FX2NC-16EX, FX2NC-32EX, FX2NC-16EYT, FX2NC-32EYT

- **FX2NC-16EX-T**
  - Input voltage: 24V DC +20%, –15%
  - Max. Inductive load: 2A
  - Response time: 10ms
  - Circuit isolation: Photocoupler
  - Operation indication LED is lit when coil is energized

- **FX2NC-32EX**
  - MAX INDUCTIVE LOAD: 0.2 (0.44A)
  - FREQUENCY RESPONSE: 10ms

- **FX2NC-16EYT**
  - Switched voltage (resistive load): 240V AC, ≤30V DC
  - Max. Inductive load: 2A
  - Response time (approx.): OFF - ON <0.2ms (100mA/24V DC), ON - OFF <0.2ms (100mA/24V DC).

- **FX2NC-32EYT**
  - MAX INDUCTIVE LOAD: 0.15 (0.33A)
  - FREQUENCY RESPONSE: 10ms

2.5 Terminal Layouts

- **FX2NC-16EX**
  - DIN Rail: 35mm (1.38in)

- **FX2NC-32EX**
  - DIN Rail: 35mm (1.38in)

- **FX2NC-16EYT**
  - DIN Rail: 35mm (1.38in)

- **FX2NC-32EYT**
  - DIN Rail: 35mm (1.38in)

- **FX2NC-16EYT-T**
  - DIN Rail: 35mm (1.38in)

- **FX2NC-32EYT-T**
  - DIN Rail: 35mm (1.38in)
3. Installation

The extension block can be installed on a DIN43627 rail (35 mm (1.38") wide). (Cannot be installed directly in the enclosure.)


**INSTALLATION PRECAUTIONS**

- Use the product within the generic environment specifications described in PLC main unit manual (Hardware Edition).
- Never use the product in areas with excessive dust, oily smoke, conductive dusts, corrosive gases (sulfuric acid, CO, NOx, SOx, or NO2), flammable gases, vibration or impacts, or exposed to high temperature, condensation, or rain and wind.
- If the product is used in such conditions, electric shock, fire, malfunctions, deterioration or damage may occur.
- Make sure to cut off all phases of the power supply externally before attempting installation or wiring work.
- Use screwdrivers carefully when performing installation work, thus avoiding accident or product damage.
- When drilling screw holes or wiring, make sure cutting or wire debris does not enter the ventilation slits.
- Failure to do so may cause fire, equipment failures or malfunctions.

4. Example Wiring

**WIRING PRECAUTIONS**

- Make sure to cut off all phases of the power supply externally before attempting installation or wiring work. Failure to do so may cause electric shock or damage to the product.

**WIRING PRECAUTIONS**

- Connect the DC power supply wiring to the dedicated terminals specified in this manual. If an AC power supply is connected to a DC input/output terminal or DC power supply terminal, the PLC will burn out.
- Connect the AC power supply wiring to the dedicated terminals specified in this manual. If an AC power supply is connected to a DC input/output terminal or DC power supply terminal, the PLC will burn out.
- Do not wire vacant terminals externally. Doing so may damage the product.
- Perform class D grounding (grounding resistance: 100 Ω or less) to the grounding terminal on the main unit.
- Do not use common grounding with heavy electrical systems (refer to the manual of the PLC main unit).
- When drilling screw holes or wiring, make sure cutting or wire debris does not enter the ventilation slits. Failure to do so may cause fire, equipment failures or malfunctions.