**INSTROCTION SHEET (ORIGINAL)**

## XN Series

### Padlock Emergency Stop Switch

- **Model No.** XN Series
- **Rated Voltage** 100 V AC, 120 V AC
- **Rated Current** 6 A
- **Rated Power** 10 W
- **Rated frequency** 50 Hz
- **Rated life** 100,000 cycles minimum
- **Dimensions** 93 x 93 x 32 mm
- **Weight** 102 grams
- **IP Rating** IP65

### Specifications

- **Vibration Category** V 
- **Shock Category** II
- **Overvoltage Category** C

### Environmental Conditions

- **Ambient temperature** -25 to +55°C
- **Relative humidity** 45 to 85% RH (no condensation)
- **Operating extremes**
  - Speed: 150 m/s
  - Acceleration: 2 g
  - Vibrations (operating): 5 g
  - Vibrations (non-operating): 10 g

### Electrical Ratings

- **Main Contact** (NC: black)
  - Rated voltage: 100 V AC
  - Rated current: 6 A
  - Rated power: 10 W
  - Minimum direct opening travel: 4.5 mm
  - Minimum direct opening force: 2.5 N

### Mechanical Characteristics

- **Weight**
  - Padlock and hasp: Maximum 1500g
  - Total weight of padlock: 450g

### Additional Information

- **Manufacturer** IDEC CORPORATION
- **Publication Date** 2013

---

**Notes on Use**

- **Type No. Development**
  - **Control Block (button shape)**
    - A: Round (Flat Button)
    - B: Round (Push Button)
    - C: Round (Switch Button)
    - D: Round (Sliding Switch Button)
    - E: Round (Rotary Switch Button)
    - F: Round (Slide Switch Button)
    - G: Round (Small Slide Switch Button)
    - H: Round (Big Slide Switch Button)
    - I: Round (Dome Button)
    - J: Round (Big Dome Button)
    - K: Round (Dome Button (L-shaped))
    - L: Round (Big Dome Button (L-shaped))
    - M: Round (Dome Button (L-shaped))
    - N: Round (Big Dome Button (L-shaped))
  - **Contact Block (contact shape)**
    - A: Flat (Flat Contact)
    - B: Flat (Flat Contact)
    - C: Flat (Flat Contact)
    - D: Flat (Flat Contact)
    - E: Flat (Flat Contact)
    - F: Flat (Flat Contact)
    - G: Flat (Flat Contact)
    - H: Flat (Flat Contact)
    - I: Flat (Flat Contact)
    - J: Flat (Flat Contact)
    - K: Flat (Flat Contact)
    - L: Flat (Flat Contact)
    - M: Flat (Flat Contact)
    - N: Flat (Flat Contact)
  - **Contact Block (terminal shape)**
    - A: Flat (Flat Terminal)
    - B: Flat (Flat Terminal)
    - C: Flat (Flat Terminal)
    - D: Flat (Flat Terminal)
    - E: Flat (Flat Terminal)
    - F: Flat (Flat Terminal)
    - G: Flat (Flat Terminal)
    - H: Flat (Flat Terminal)
    - I: Flat (Flat Terminal)
    - J: Flat (Flat Terminal)
    - K: Flat (Flat Terminal)
    - L: Flat (Flat Terminal)
    - M: Flat (Flat Terminal)
    - N: Flat (Flat Terminal)

---

**Instruction Sheet (Original)**

### Type No. Development

- **Contact Block**
  - A: Round (Flat Button)
  - B: Round (Push Button)
  - C: Round (Switch Button)
  - D: Round (Sliding Switch Button)
  - E: Round (Rotary Switch Button)
  - F: Round (Slide Switch Button)
  - G: Round (Small Slide Switch Button)
  - H: Round (Big Slide Switch Button)
  - I: Round (Dome Button)
  - J: Round (Big Dome Button)
  - K: Round (Dome Button (L-shaped))
  - L: Round (Big Dome Button (L-shaped))
  - M: Round (Dome Button (L-shaped))
  - N: Round (Big Dome Button (L-shaped))

- **Terminal Block**
  - A: Flat (Flat Terminal)
  - B: Flat (Flat Terminal)
  - C: Flat (Flat Terminal)
  - D: Flat (Flat Terminal)
  - E: Flat (Flat Terminal)
  - F: Flat (Flat Terminal)
  - G: Flat (Flat Terminal)
  - H: Flat (Flat Terminal)
  - I: Flat (Flat Terminal)
  - J: Flat (Flat Terminal)
  - K: Flat (Flat Terminal)
  - L: Flat (Flat Terminal)
  - M: Flat (Flat Terminal)
  - N: Flat (Flat Terminal)

### Instructions for Use

- **Handling**
  - Handle the device with precautions to avoid damage.

- **Installation**
  - Ensure proper installation to prevent damage.

- **Operation**
  - Ensure proper operation to avoid malfunctions.

- **Maintenance**
  - Regular maintenance to ensure longevity.

---

**Contact Ratings**

- **Main Contact** (NC: black) and Monitor Contact (NO: blue)

### Notes

- **Notes on Use**
  - **Contact Block**
    - A: Flat (Flat Contact)
    - B: Flat (Flat Contact)
    - C: Flat (Flat Contact)
    - D: Flat (Flat Contact)
    - E: Flat (Flat Contact)
    - F: Flat (Flat Contact)
    - G: Flat (Flat Contact)
    - H: Flat (Flat Contact)
    - I: Flat (Flat Contact)
    - J: Flat (Flat Contact)
    - K: Flat (Flat Contact)
    - L: Flat (Flat Contact)
    - M: Flat (Flat Contact)
    - N: Flat (Flat Contact)

---

**Technical Notes**

- **Insulation**
  - **Insulation Resistance**
    - Minimum direct opening travel: 4.5 MΩ
    - Minimum direct opening force: 2.5 N

- **Overvoltage Category**
  - **Overvoltage Category**
    - C

- **Ambient Temperature**
  - -25 to +55°C

- **Relative Humidity**
  - 45 to 85% RH (no condensation)

- **Operating Temperature**
  - 0 to +40°C

- **Operating Humidity**
  - 45 to 95% RH (no condensation)

- **Maximum Ambient Temperature**
  - 0 to +40°C

- **Relative Humidity**
  - 45 to 95% RH (no condensation)

---

**Contact Block Specifications**

- **Rated Life**
  - 100,000 cycles minimum

- **Rated Current**
  - 6 A

- **Rated Voltage**
  - 100 V AC

- **Rated Power**
  - 10 W

- **Rated Frequency**
  - 50 Hz

- **Electrical Ratings**
  - **Rated Voltage**
    - 100 V AC
  - **Rated Current**
    - 6 A
  - **Rated Power**
    - 10 W
  - **Rated Frequency**
    - 50 Hz

- **Environmental Conditions**
  - **Ambient Temperature**
    - -25 to +55°C
  - **Relative Humidity**
    - 45 to 85% RH (no condensation)
  - **Humidity**
    - 45 to 95% RH (no condensation)

---

**Application Notes**

- **Application**
  - **Application**
    - Use proper size wires to meet voltage and current requirements.

- **Wiring**
  - Before starting installation, wiring, and tightening, ensure the power to the XN4E is turned off.

- **Operation**
  - Before loose switches are made, ensure the contact block is securely installed.

- **Maintenance**
  - Regular maintenance to ensure longevity.

---

**Technical Information**

- **Contact Block**
  - **Rated Voltage**
    - 100 V AC
  - **Rated Current**
    - 6 A
  - **Rated Power**
    - 10 W
  - **Rated Frequency**
    - 50 Hz

- **Environmental Conditions**
  - **Ambient Temperature**
    - -25 to +55°C
  - **Relative Humidity**
    - 45 to 85% RH (no condensation)

---

**Instruction Sheet (Original)**