

Programmable Controllers

MICREX-SX series

Standard I/O module

Digital input module: NP1X□

Performance specifications

| Model | Input format | No. of input points | Rated voltage | Rated current | Standard operation range | | Input delay time | | Insulation method | Status indication | No. of points/common | External connections | Internal current consumption (24 V DC) | Weight | |
|-------------|-----------------------|---------------------|-----------------|-----------------|--------------------------|-------------|-------------------------------|---------------|-----------------------------------|-------------------|----------------------|----------------------|--|---------------|---------------|
| | | | | | OFF→ON | OFF→ON | OFF→ON | OFF→ON | | | | | | | |
| NP1X0805 * | DC input, sink/source | 8 points | 110 V DC | 5 mA | 80 to 140 V | 0 to 22 V | 1 to 1 ms, 3 to 3 ms | | Photocoupler insulation ON to OFF | LED indication | 8 points x 1 | Terminal block | 35 mA or less | Approx. 300 g | |
| NP1X1606-W | DC input, sink/source | 16 points | 24 V DC | 7 mA | 15 to 30 V | 0 to 5 V | 3 to 10 ms, 10 to 10 ms | | | | 8 points x 2 | Terminal block | 35 mA or less | Approx. 150 g | |
| NP1X1607-W | | 16 points | 48 V DC | 5 mA | 34 to 60 V | 0 to 10 V | 30 to 30 ms, 100 to 100 ms | | | | Connector | Terminal block | 35 mA or less | Approx. 150 g | |
| NP1X3206-W | | 32 points | 24 V DC | 4 mA | 15 to 30 V | 0 to 5 V | Variable by parameter setting | | | | | | 32 points x 1 | 50 mA or less | Approx. 130 g |
| NP1X3202-W | | 32 points | 5 to 12 V DC | 3 to 9 mA | 3.5 to 13.2 V | 0 to 1 V | | | | | | | 50 mA or less | Approx. 130 g | |
| NP1X6406-W | | 64 points | 24 V DC | 4 mA | 15 to 30 V | 0 to 5 V | 32 points x 2 | 85 mA or less | | | | | Approx. 180 g | | |
| NP1X0810 | | AC input | 8 points | 100 to 120 V AC | 10 mA | 80 to 132 V | 0 to 20 V | Approx. 10 ms | | | Approx. 10 ms | 8 points x 1 | Terminal block | 35 mA or less | Approx. 130 g |
| NP1X1610 | 16 points | | 200 to 240 V AC | 7 mA | 80 to 132 V | 0 to 20 V | Approx. 10 ms | Approx. 10 ms | | | 16 points x 1 | 40 mA or less | Approx. 170 g | | |
| NP1X0811 | 8 points | | | | | | | | | | 8 points x 1 | 35 mA or less | Approx. 130 g | | |
| NP1X1610-RI | 16 points | | 100 to 120 V AC | 7 mA | 80 to 132 V | 0 to 20 V | Approx. 30 ms | Approx. 30 ms | | | 16 points x 1 | 40 mA or less | Approx. 170 g | | |
| NP1X1611-RI | 16 points | | 200 to 240 V AC | 7 mA | 160 to 264 V | 0 to 40 V | | | 40 mA or less | Approx. 180 g | | | | | |

* NP1X0805 occupies two slots of the base board.

Internal circuit diagram

