AMIKON TECHNICAL DOCUMENTATION

# Product Data Sheet

## Siemens 6ED1055-1NB10-0BA0

LOGO! DM16 24R Expansion Module

| TYPE | REFERENCE | SCOPE | OPTIONS |
|---|---|---|---|
| **LOGO! DM16 24R Expansion Module** | **6ED1055-1NB10-0BA0** | **Exact-model data** | **Check order** |

Siemens 6ED1055-1NB10-0BA0 is the LOGO! DM16 24R expansion module for adding digital signals to a compatible LOGO! installation. It combines eight 24 V DC digital inputs with eight relay outputs, extending the available input and output points.

## 01 DOCUMENTED PRODUCT REFERENCE

| | |
|---|---|
| Mounting method | 35 mm DIN rail, 4 spacing units wide |
| Permissible range, lower limit (DC) | 20.4 V |
| Permissible range, upper limit (DC) | 28.8 V |
| Number of digital inputs | 8 |
| Signal-0 voltage threshold | 5 V DC |
| Signal-1 voltage threshold | 12 V DC |
| Maximum signal-0 input current | 1 mA |
| Maximum input transition delay, 0-to-1 | 1.5 ms |

Siemens exact-model data sheet. Verify the complete supplied product identity.

## 02 TECHNICAL DATA

| | |
|---|---|
| Maximum input transition delay, 1-to-0 | 1.5 ms |
| Maximum switched lamp load | 1 000 W |
| Rated output current, signal 1 | 5 A |
| Maximum switching frequency, resistive load | 2 Hz |
| Maximum switching frequency, inductive load | 0.5 Hz |
| Maximum mechanical switching frequency | 10 Hz |
| IP degree of protection | IP20 |

## 03 APPLICATION AND CONFIGURATION

- Digital signal expansion within the compatible LOGO! configuration.
- Retain the complete 6ED1055-1NB10-0BA0 order code.
- Match the documented electrical, interface and environmental requirements.
- Consult the applicable wiring and installation instructions.
- Verify supplied-unit markings before installation.

## 04 OFFICIAL DOCUMENTATION

**Siemens 6ED1055-1NB10-0BA0 Data Sheet**

Source: Siemens official exact-model data sheet; 2 source page(s). Last modified: 9/25/2025.

Selected manufacturer data applies to the identified component and documented conditions. Check the full ordering configuration. Consult the applicable installation instructions before selecting, installing or replacing equipment.

**AMIKON PRODUCT SUPPORT**

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