

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ED1055-1CB10-0BA2

LOGO! DM16 24 expansion module

Technical drawing of the Siemens 6ED1055-1CB10-0BA2 module, showing pin connections and dimensions. The drawing includes a table of pin connections and a list of dimensions.

Pin	Signal	Pin	Signal
1	0V	17	0V
2	12V	18	12V
3	12V	19	12V
4	12V	20	12V
5	12V	21	12V
6	12V	22	12V
7	12V	23	12V
8	12V	24	12V

Dimensions:

- Module width: 35 mm
- Module height: 100 mm
- Module depth: 100 mm

SUPPLY

24 V DC

INPUTS

8 DI

OUTPUTS

8 transistor

RAIL WIDTH

4 modules

Siemens 6ED1055-1CB10-0BA2 is a LOGO! DM16 24 expansion module with 8 digital inputs and 8 transistor outputs. It extends a compatible LOGO! 8 base module; it is not a standalone programmable controller.

01

VERIFIED PRODUCT PARAMETERS

Supply voltage	24 V DC; permissible range 20.4-28.8 V DC
Digital inputs	8 non-isolated digital inputs
Input thresholds	Low <5 V DC; high >12 V DC
Input current	High typ. 2.0 mA; low max. 0.85 mA
Input delay	Rising and falling max. 1.5 ms
Digital outputs	8 sourcing transistors; max. 0.3 A per channel
Output protection	Short-circuit and overload protection
Switching frequency	Max. 10 Hz resistive / 0.5 Hz inductive
Mounting	35 mm DIN rail; 4 module widths
Operating temperature	-20 to +55 degrees C; no condensation

02 MECHANICAL AND LIFECYCLE DATA

Housing dimensions (W x H x D)	71.5 x 90 x 58 mm
Weight (official manual)	Approx. 0.17 kg
Degree of protection	IP20; enclosed installation required
Compatible controller family	LOGO! 8; verify voltage-class compatibility

03 SYSTEM ROLE AND APPLICATIONS

The applications below are engineered uses within the LOGO! system based on Siemens application examples. Validate the base program, voltage class, I/O allocation and connected loads for each installation.

- Cream-stirrer control: expand discrete vessel-status inputs and approved drive-command outputs.
- Textile treatment: add interlocks and switching signals for an engineered heating/conveyor sequence.
- Solar utilization monitoring: collect discrete operating states for timing in the LOGO! base program.

04 OFFICIAL INSTALLATION FACTS

- Qualified personnel: isolate all module and load supplies before installation.
- Mount on 35 mm DIN rail; reserve 71.5 mm width and required clearances.
- Apply 20.4-28.8 V DC and observe common-reference requirements.
- Limit each sourcing output to 0.3 A; do not parallel outputs for more current.

05 OFFICIAL DOCUMENTATION

[Siemens A5E33039675-AL; exact-article technical data](#)

AMIKON PRODUCT SUPPORT

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