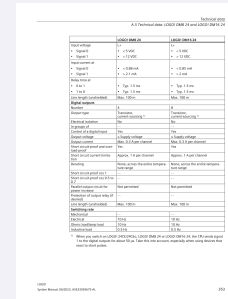


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ED1055-1CB00-0BA2

LOGO! DM8 24 expansion module



SUPPLY

24 V DC

INPUTS

4 DI

OUTPUTS

4 transistor

RAIL WIDTH

2 modules

Siemens 6ED1055-1CB00-0BA2 is a LOGO! DM8 24 expansion module with 4 digital inputs and 4 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	4 non-isolated digital inputs
Input thresholds	Low <5 V DC; high >12 V DC
Input current	High typ. 2.1 mA; low max. 0.88 mA
Input delay	Rising and falling max. 1.5 ms
Digital outputs	4 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; 2 module widths
Operating temperature	-20 to +55 degrees C; no condensation

Technical values were verified against Siemens A5E33039675-AL; exact-article technical data and the Siemens Industry Mall record for the exact article number.

02 MECHANICAL AND LIFECYCLE DATA

Housing dimensions (W x H x D)	35.5 x 90 x 58 mm
Weight (official manual)	Approx. 0.10 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.

- Greenhouse irrigation: add valve-command and discrete feedback points to a validated LOGO! sequence.
- Conveyor control: extend sensor interlocks and appropriately rated actuator-command circuits.
- Parking surveillance: add occupancy-switch inputs and low-current indication outputs.

04 OFFICIAL INSTALLATION FACTS

- Qualified personnel: isolate all module and load supplies before installation.
- Mount on 35 mm DIN rail; reserve 35.5 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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