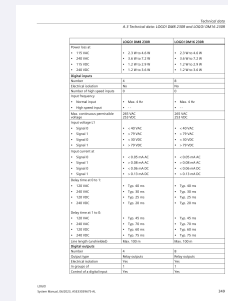


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ED1055-1FB10-0BA2

LOGO! DM16 230R expansion module



SUPPLY

115/230 V AC/DC

INPUTS

8 DI

OUTPUTS

8 relay

RAIL WIDTH

4 modules

Siemens 6ED1055-1FB10-0BA2 is a LOGO! DM16 230R expansion module with 8 digital inputs and 8 relay outputs. It extends a compatible LOGO! 8 base module; it is not a standalone programmable controller.

01

VERIFIED PRODUCT PARAMETERS

Supply voltage	115/230 V AC/DC; 85-265 V AC / 100-253 V DC
Digital inputs	8 non-isolated digital inputs
Input thresholds	Low <40 V AC / <30 V DC; high >79 V AC/DC
Input current	High typ. 0.13 mA; low max. 0.05 mA AC / 0.06 mA DC
Input delay	Rising max. 40 ms; falling max. 75 ms
Digital outputs	8 relays; max. 5 A resistive / 3 A inductive
Output protection	External short-circuit protection required
Switching frequency	Max. 2 Hz resistive / 0.5 Hz inductive
Mounting	35 mm DIN rail; 4 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)	71.5 x 90 x 58 mm
Weight (official manual)	Approx. 0.23 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.

- Sports-hall lighting: provide additional relay commands for independently protected lighting zones.
- Shutter control: expand direction commands and end-position feedback with external interlocking.
- Fan step control: add stage-selection contacts for properly rated external switching devices.

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.
- Match supply type and phase/polarity to the 230 V LOGO! base module.
- Fuse relay loads externally; check inrush and 5 A resistive / 3 A inductive limits.

05 OFFICIAL DOCUMENTATION

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

AMIKON PRODUCT SUPPORT

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