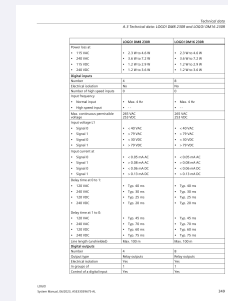


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ED1055-1FB00-0BA2

LOGO! DM8 230R expansion module



SUPPLY

115/230 V AC/DC

INPUTS

4 DI

OUTPUTS

4 relay

RAIL WIDTH

2 modules

Siemens 6ED1055-1FB00-0BA2 is a LOGO! DM8 230R expansion module with 4 digital inputs and 4 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	4 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	4 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; 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. 0.13 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.

- Shop-window lighting: add relay-controlled lighting groups with verified inrush protection.
- Bell systems: extend scheduled signalling circuits controlled by the LOGO! base program.
- Outdoor lighting: switch separately protected lighting circuits from a validated schedule.

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.
- 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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