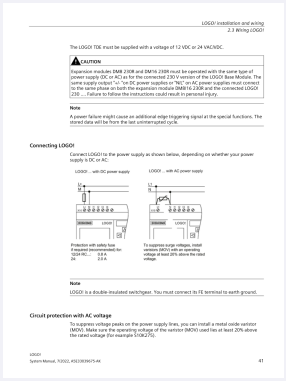
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ED1057-3BA03-0AA8

LOGO! 230RCE V8.3 starter kit



PRODUCT	6ED1057-3BA03-0AA8
FAMILY	LOGO! 8
FUNCTION	LOGO! 230RCE V8.3 starter kit
STATUS	Verify exact configuration

Prepared by Amikon Limited from Siemens LOGO! A5E33039675-AK, 07/2022; official kit catalog. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Included logic hardware	LOGO! 230RCE
Kit generation	V8.3
Engineering software	LOGO! Soft Comfort
Visualization software	WinCC Basic
Controller rated supply	115 to 240 V AC/DC
Permissible AC supply	85 to 265 V AC
Permissible DC supply	100 to 253 V DC

02 MOUNTING AND CONNECTION

- Qualified personnel must isolate all supplies and prevent unintended load operation before assembly.
- Mount the included controller using the documented DIN-rail or wall arrangement, with protected access to line-voltage terminals.
- Use the 230RCE supply diagram: 85 to 265 V AC or 100 to 253 V DC; connect functional earth as documented.
- Keep I1-I4 on one phase and I5-I8 on one phase. Do not mix phases inside an input group.
- Size relay loads and protection for the actual switching duty; limit excessive LED or lamp inrush.

03 OFFICIAL INSTALLATION REFERENCE

The LOGO! TDE must be supplied with a voltage of 12 VDC or 24 VAC/VDC.

CAUTION

Expansion modules DM8 230R and DM16 230R must be operated with the same type of power supply (DC or AC) as for the connected 230 V version of the LOGO! Base Module. The same supply output "+/- "on DC power supplies or "N/L" on AC power supplies must connect to the same phase on both the expansion module DM8/16 230R and the connected LOGO! 230 .... Failure to follow the instructions could result in personal injury.

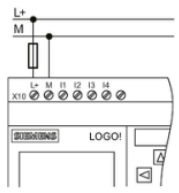
Note

A power failure might cause an additional edge triggering signal at the special functions. The stored data will be from the last uninterrupted cycle.

Connecting LOGO!

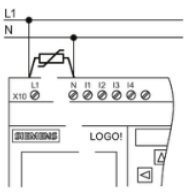
Connect LOGO! to the power supply as shown below, depending on whether your power supply is DC or AC:

LOGO! ... with DC power supply



Protection with safety fuse if required (recommended) for:
12/24 RC...: 0.8 A
24: 2.0 A

LOGO! ... with AC power supply



To suppress surge voltages, install varistors (MOV) with an operating voltage at least 20% above the rated voltage.

Note

LOGO! is a double-insulated switchgear. You must connect its FE terminal to earth ground.

Circuit protection with AC voltage

To suppress voltage peaks on the power supply lines, you can install a metal oxide varistor (MOV). Make sure the operating voltage of the varistor (MOV) used lies at least 20% above the rated voltage (for example S10K275).

Official manufacturer reference reproduced from Siemens LOGO! A5E33039675-AK, 07/2022; official kit catalog. Use the current source document and all referenced drawings and notes for installation.

04 CABLE ROUTING AND CONNECTION

- Mount the included controller using the documented DIN-rail or wall arrangement, with protected access to line-voltage terminals.
- Use the 230RCE supply diagram: 85 to 265 V AC or 100 to 253 V DC; connect functional earth as documented.
- Keep I1-I4 on one phase and I5-I8 on one phase. Do not mix phases inside an input group.
- Size relay loads and protection for the actual switching duty; limit excessive LED or lamp inrush.
- Check the project target, input states, output operation and expansion configuration before releasing the installation.

05 INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Test the configured input states, protected relay loads and intended program sequence.
- Record the installed order number and baseline operating condition.

06 CONTROLLED DOCUMENTS

Official source	Siemens LOGO! A5E33039675-AK, 07/2022; official kit catalog
Product record	6ED1057-3BA03-0AA8
Manufacturer	Siemens
Support	INFO@AMIKON.CN