

Programmable Logic Controller (AB MicroLogix 1100 with Case) 588462 (3240-D0)

FESTO

LabVolt Series

Datasheet



* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

Festo Didactic
en 120 V - 60 Hz
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General Description

The Programmable Logic Controller (AB MicroLogix 1100 with Case) is specially designed to help students develop skills in operating, programming, and troubleshooting modern PLC-controlled systems. Driven by an Allen-Bradley® MicroLogix™ 1100 controller, the training module is fully supported by instructional material and is compatible with several didactic applications.

Features & Benefits

- Rugged suitcase for easy transportation and storage. Also include a storage compartment for cables and accessories
- Built-in 10/100 Mbps Ethernet/IP port for peer-to-peer messaging
- Eight fault switches
- Embedded Web server and LCD screen
- Online editing functionality
- Digital and Analog I/Os; Digital (24 VDC): 10 inputs (four 40kHz high-speed), 6 outputs (two 40 kHz high-speed); Analog (0 - 10 VDC): 2 inputs
- PID Capability
- Five push-button and five toggle switches
- Built-in 24 V dc power supply
- Easy expansion using rackless I/O modules (Analog Expansion Module 3244-4)
- Onboard traffic light simulator
- Compatibility with MicroLogix and SLC instruction set
- Requires the RSLogix Micro programming software (Model 3245-A) *
 - * RSLogix Micro Starter Lite for MicroLogix 1000 and 1100 is available for free on Allen-Bradley website (www.ab.com).

List of Equipment

Qty	Description	Model number
1	IEC power cable 90° - Nema 5-15 (Type B)	582145 (86331-00)
1	Programmable Logic Controller (MicroLogix 1100 with Case)	587536 (3240-DX)

List of Manuals

Description	Manual number
Programmable Logic Controller (Workbook) _____	589767 (52281-00)
Programmable Logic Controller (Workbook (Instructor)) _____	589768 (52281-10)

Table of Contents of the Manual(s)

Programmable Logic Controller (Workbook) (589767 (52281-00))

- 1 Familiarization with the PLC Trainer and RSLogix Micro
- 2 Online Operations and Monitoring I/O Data Files
- 3 Relay Instructions Part 1
- 4 Relay Instructions Part II
- 5 Timer Instructions
- 6 Counter Instructions
- 7 Comparison Instructions
- 8 Move Instructions
- 9 Sequencer Instructions

Additional Equipment Required to Perform the Exercises

Qty	Description	Model number
1	PLC Software (RSLogix Micro, Educational) _____	587552 (3245-A0)
1	Personal Computer _____	579785 (8990-00) ¹

Optional Equipment

Qty	Description	Model number
1	Communication Cable (Allen-Bradley) _____	587566 (3246-40) ²
1	Serial-to-USB Converter _____	775477 (34879-00)
1	Programmable Logic Controller (Manuals on CD-ROM) _____	585276 (88270-A0)

Spare Parts

Qty	Description	Model number
1	LEAD 2MM 15CM(LENGTH) WHITE _____	768376 (24987-09)

Optional Manual(s)

Qty	Description	Model number
1	Programmable Logic Controller (Workbook) _____	589767 (52281-00) ³
1	Programmable Logic Controller (Workbook (Instructor)) _____	589768 (52281-10) ⁴

¹ Refer to the Computer Requirements in the PLC Software Specifications section of this datasheet if the computer is to be provided by the end-user.

² To connect to a PC Serial port (system normally connects through the supplied Ethernet cable). If this cable is selected, consider adding the serial-to-USB converter.

³ A copy is included with the system.

⁴ A copy is included with the system.

Equipment Description

Programmable Logic Controller (MicroLogix 1100 with Case) 587536 (3240-DX)



The Programmable Logic Controller (MicroLogix 1100 with Case) is specially designed to help students develop skills in operating, programming, and troubleshooting modern PLC-controlled systems. Driven by an Allen-Bradley® MicroLogix™ 1100 controller, the training module is fully supported by instructional material and is compatible with several didactic applications.

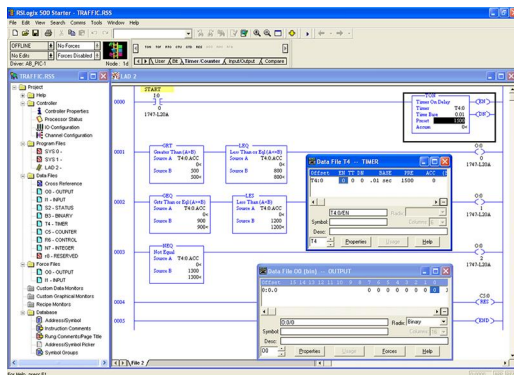
IEC power cable 90° - Nema 5-15 (Type B) 582145 (86331-00)



This power cord connects the equipment to a wall outlet. It is intended for use in North America, Central America, Brazil, Colombia, Ecuador, Korea, Japan, Taiwan, Thailand, and the Philippines.

Optional Equipment Description

PLC Software (RSLogix Micro, Educational) (Optional) 587552 (3245-A0)



The RSLogix Micro software is a tool to design and implement ladder programs for the Allen-Bradley MicroLogix™ family of processors (it cannot be used with SLC 500 controllers). It is a Windows®-based application produced by Rockwell Software that allows PLC programming using a personal computer.

The free-form ladder of RSLogix Micro lets students concentrate on the application logic rather than using the proper syntax when editing programs. Several other features of RSLogix Micro greatly facilitate PLC programming, such as a project verifier, drag-and-drop editing, and search-and-replace functions. The

PLC can be programmed via either an RS-232 port or an Ethernet

port on the PLC processor. This software comes with RSLinx™, which provides connectivity between the PLC and the computer.

The software is available with either an educational license (Model 3245-A) or as a commercial license (Model 3245-B).

Specifications

Parameter	Value
Computer Requirements	A currently available personal computer with USB 2.0 ports, running under one of the following operating systems: Windows® 7 or Windows® 8.

Communication Cable (Allen-Bradley) (Optional) 587566 (3246-40)



The communication cable is an RS-232-C serial cable specifically designed to connect a personal computer to an Allen-Bradley programmable logic controller, thus making it possible to program and monitor the PLC.

Specifications

Parameter	Value
Communication Cable	
Type	8 pin mini DIN to 9 pin D shell
Length	2 m (6.5 ft)

Personal Computer (Optional) 579785 (8990-00)



The Personal Computer consists of a desktop computer running under Windows® 10. A monitor, keyboard, and mouse are included.

Specifications

Parameter	Value
Power Requirements	
Current	2 A
Service Installation	Standard single-phase ac outlet

Serial-to-USB Converter (Optional)
775477 (34879-00)



The Serial-to-USB Converter converts a standard serial port to a USB port.

Programmable Logic Controller (Manuals on CD-ROM) (Optional)
585276 (88270-A0)

List of Manuals

Description	Manual number
Programmable Logic Controller (Workbook) _____	591538 (52281-00)
Programmable Logic Controller (Workbook (Instructor)) _____	591540 (52281-10)
Programmable Logic Controller (Workbook) _____	592130 (88270-00)
Programmable Logic Controller (Workbook (Instructor)) _____	592131 (88270-10)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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