E6.6.2

LOGIC CONTROLLERS & PROCESS VISUALISATION

E6.6.2.1
Basic Package LOGO! 8

E6.6.2.11
Trainer Package 6x LOGO! 8

Basic Package LOGO! 8 (E6.6.2.1)

Cat. No.	Description	E6.6.2.1	E6.6.2.11
773 041	LOGO! 8 12/24	1	
8-2 412470-100-10-1	Power supply 24 V DC, 6.5 A, for 230 V AC	1	6
689 3000	RJ45 crossover Cable 2m	1	6
773 055	HMI Touch Panel Basic	1*	6*
773 090	Logo! Software	1	
726 10	Panel frame T150, two-level	1*	6*
500 59	Safety bridging plugs, black, set of 10	1*	6
500 591	Safety bridging plugs, yellow/green, set of 10	1*	6*
773 050	ASIMA Plant Simulator II	1*	6*
700 00CBT	DVD: COM3LAB Software	1*	1*
500 614	Safety connecting lead, 25 cm, black	24*	144*
500 611	Safety connecting lead, 25 cm, red	1*	6*
500 612	Safety connecting lead, 25 cm, blue	1*	6*
773 045	LOGO! 8 12/24 TP 6 x		1
	A selection of 12 masks can be found in E6.7.1.1.	1	1

* additionally recommended

Logic Controllers & Process Visualisation

When it comes to smaller control tasks, small control systems – also called control relays or logic modules – are the perfect introduction to the world of stored program controls. It is operated with an integrated key pad and LCD display. Alternatively, control programs can also be created on the PC.

Basic functions:
AND, OR, NOT, NANO, NOR, XOR

Special functions:
Power-on delay, Power-off delay, Impulse generator, Counter (forward and backward), Time switch

The experiments are carried out with the small controller LOGO! 8 from Siemens. The logic module is set on a base plate and hung in a profile frame. The students are expected to program the LOGO! 8 and learn the main functions of small controllers in the process.

Topics
• Programming a small controller
• Logic connections
• Timer and clock timer functions
• RS components
• Measure counting and frequencies
• Analogue value processing
• etc.

Experiments require the Siemens software LOGO! to create programs. The equipment can require additional software modules.