

E6.4.1

INDUSTRIAL CONTROLLERS & CONTROLLED SYSTEMS

E6.4.1.1

Automatic Control with Compact Controllers



Automatic Control with Compact Controllers (E6.4.1.1)

Cat. No.	Description	E6.4.1.1
734 431	Compact controller	1
734 300	Heel Controlled System	1
734 091	Digital Controlled System	1
734 19	Gain and offset adjust	1
726 86	DC-Power Supply ± 15 V/3 A	1
524 016S2	Profi-CASSY Starter 2	1
726 09	Panel frame T130, two-level	1
500 59	Safety bridging plugs, black, set of 10	2
500 592	Safety bridging plugs with tap, black, set of 10	1
500 641	Safety connecting lead, 100 cm, red	2
500 642	Safety connecting lead, 100 cm, blue	1
500 644	Safety connecting lead, 100 cm, black	2
775 750EN	LIT: E6.4.1.1 Control with Industrial Compact Controllers	1*
726 10	Panel frame T150, two-level	1*

* additionally recommended

Automatic Control with Compact Controllers

This chapter describes experiments with the widely used compact controller Siemens SIPART DR 19 in the industry. The tests use only the analogue input X and analogue output Y of the SIPART DR 19. For the use of external sensors or the digital inputs and outputs, please refer to the manuals.

Topics

- Digital industrial controllers
- SIPART DR19
- Unipolar controller operation
- Bipolar controller operation
- Compact controller on the electronic control loop
- Fault control at the heel regulation range

Experiments are operated and evaluated with CASSY Lab 2.