

## 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 $\pm 15$ 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.