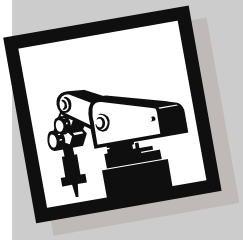
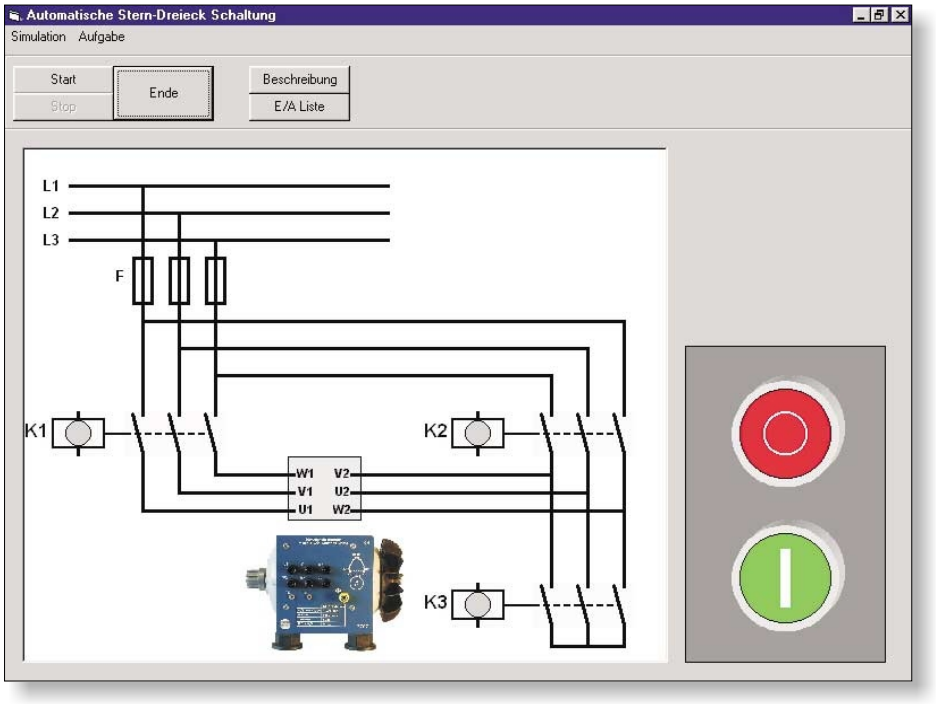


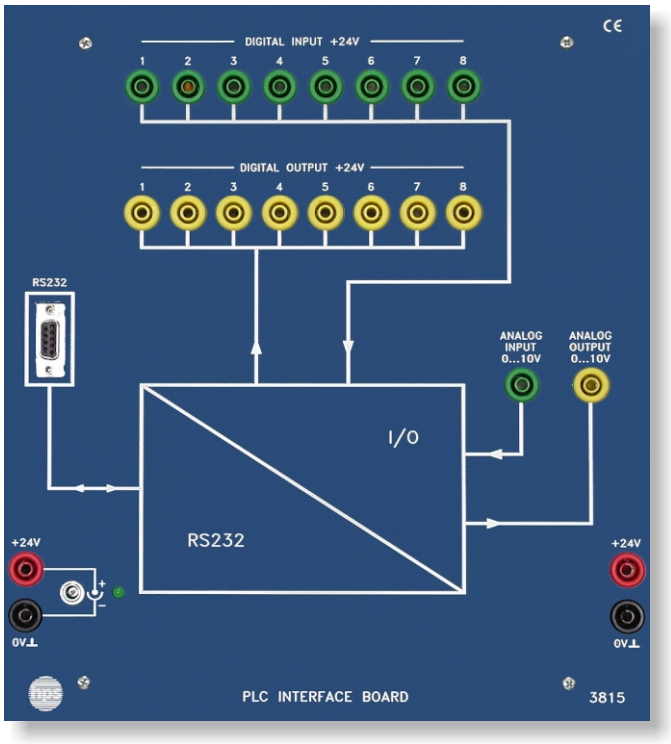
Interface with Simulation Software

Typ 3815



Simulation of a simple motor control

- **Simulation of 9 different applications with the PC, from the simple motor control up to the sorting system**
- **With animated processes**
- **Hardware link for any PLCs and miniature controls**
- **For Windows operating systems: 98, 2000, NT SP4, XP**



Front view of the PLC INTERFACE BOARD (Type 3815)

The hps „PLC Applications" training system consists of a simulation software and the PLC INTERFACE BOARD for linking to a PLC or miniature control.

With the software it is possible to simulate different processes such as traffic lights, different motor controls, a sorting plant and a level control.

The PLC INTERFACE BOARD serves for adaption of a arbitrary PLC (24 V) to a PC.

Each application must be programmed with the PLC. The function of the PLC program can be tested immediately with the simulation model.

The experiment manual is integrated in the simulation software.

hps SystemTechnik offers Type 2150 UNIVERSAL COMPONENT BOARD as a miniature control and Type 2130 PLC BOARD S7-300 as PLC.

14 / 14 V02 Technical changes without prior notice!

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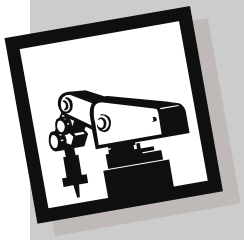

Interface with Simulation Software

Typ 3815

Accessories Included

- Software:
  Plant Simulator (Type PC 3815.2)

Accessories Required

- IBM-compatible PC:
  CPU from 500 MHz, CD-ROM drive, free serial interface, sound card recommended
  NOTE: NO USB to RS232 adapter applicable!
- PLC (24 V)
- Power supply unit: 24 V / 1.0 A (Type 3816)
- Connecting Lead RS 232 (Type 9102.50)
- 4 mm safety leads and plugs (Type 3815.1-1)

Accessories Recommended

- UNIVERSAL COMPONENT BOARD (Type 2150)
- PLC BOARD S7-300 (Type 2130)

Technical data of the PLC INTERFACE BOARD (Type 3815)

Operating voltage
- 24 V / 500 mA

Inputs
- 8 digital inputs: 24 V DC
- 1 analog input: 0 ... 10 V

Outputs
- 8 digital outputs: 24 V DC
- 1 analog output: 0 ... 10 V

Wiring of all inputs and outputs via safety jacks (4 mm)

Interface RS 232

Mechanical data

The front panel of the PLC INTERFACE BOARD is made of 5 mm thick laminate, blue, matt-finished.
The individual components are integrated in the front panel.
Circuit symbols are printed in white on the front panel.
A grey plastic cover protects the rear of the unit and enables the unit to be placed on a desktop at an ergonomically favourable angle.

Dimensions
- 266 x 297 x 110 mm (w x h x d)

Weight
- approx. 2.4 kg

Subject to technical modifications.