



### E6.6.4

#### INDUSTRIAL BUS SYSTEMS

##### E6.6.4.1

##### AS-Interface

AS-Interface (E6.6.4.1)

Cat. No.	Description	E6.6.4.1
730 04	Pushbutton, Threefold	1
730 37	Signal Lamp 24V, Threefold	1
730 412	AS-I Connection Module 2E/2A	1
730 413	AS-I Set	1
730 414	AS-i Bus Testing Instrument	1
730 4312	Profibus cable	1
730 4101	DP / AS-I Communications Module	1
726 75	Three-phase supply unit with ELCB	1*
726 10	Panel frame T150, two-level	1*
500 59	Safety bridging plugs, black, set of 10	1*
500 614	Safety connecting lead, 25 cm, black	12*
500 611	Safety connecting lead, 25 cm, red	3*
500 612	Safety connecting lead, 25 cm, blue	3*
773 075	Simatic PLC S7-1512C-1 PN +DP TP	1*
773 077	Simatic S7-1516 PN/DP TP	1*
additionally required: 1 PC with Windows 7/8/10		

\* additionally recommended

#### AS-Interface

The student investigates the connection of sensors and actuators with the AS-i interface in the SPC. With the actuator sensor interface (AS-i), all you need is an unshielded two-wire cable to connect all sensors and actuators with the controller. The system is clearly organised and easy to install thanks to the cut-clamp technique.

#### Educational objectives

- Operate the SPC
- Connect the devices with the TIA portal
- Creating programs
- Connection of AS interface devices
- Testing the programs

#### Topics

- Programming of an SPC
- Connection of AS-i components
- Programming methods LAD, SFC, STL, S7-GRAPH

Experiments require the Siemens software TIA Portal to create programs.

The equipment can require additional software modules.