

Fundamentals of electrical engineering
Electrical engineering and electronics

Building systems technology
Power supply systems and safety measures

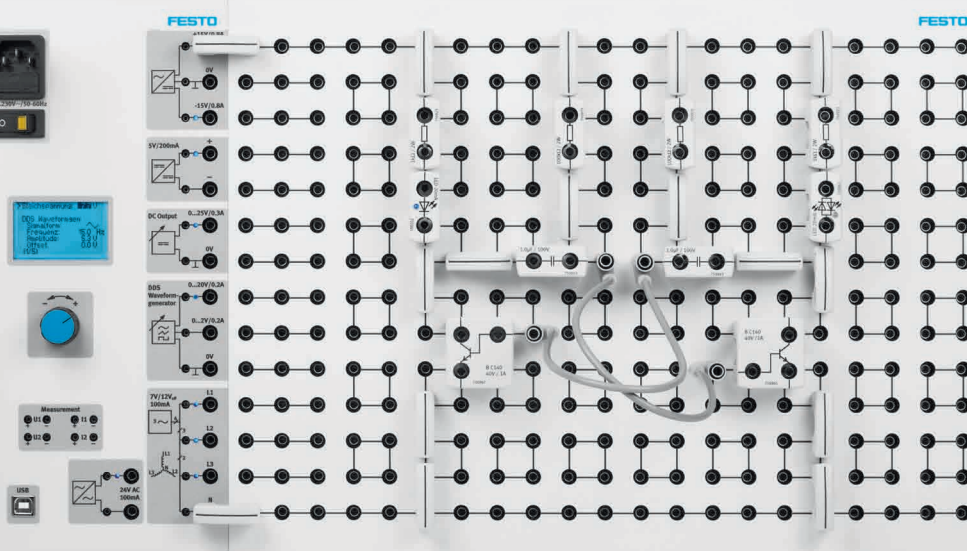
Control technology
Contacting circuits

Electrical drive technology
Switching, open-loop control, closed-loop control

Automation technology
Controlling, operating, monitoring

Building systems technology
Automation with KNX

Power supply unit
Universal plug panel

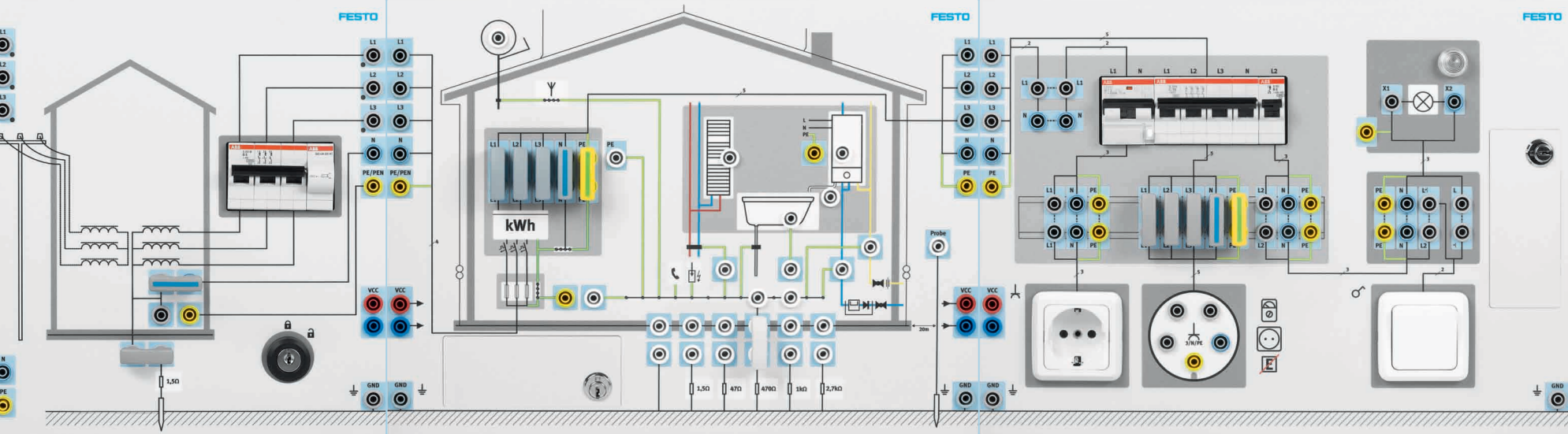


From the fundamentals of electrical engineering and electronics ...

Mains supply

House connection

Subdistribution



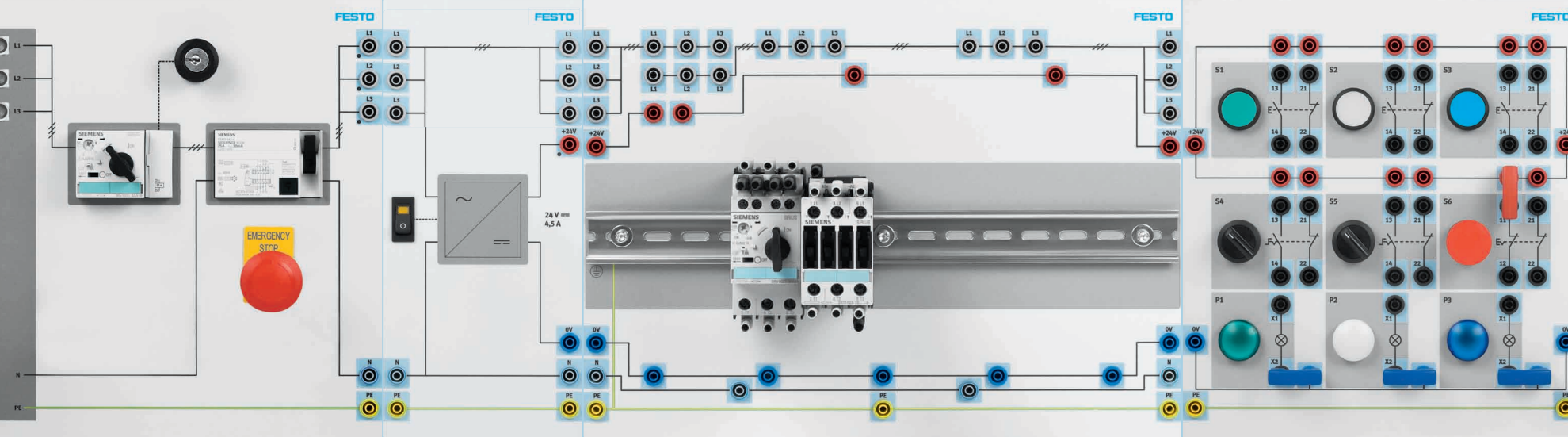
... and safe power supply ...

Three-phase supply

24 V power supply unit

Contactor board and contactor set

Operator units and indicators

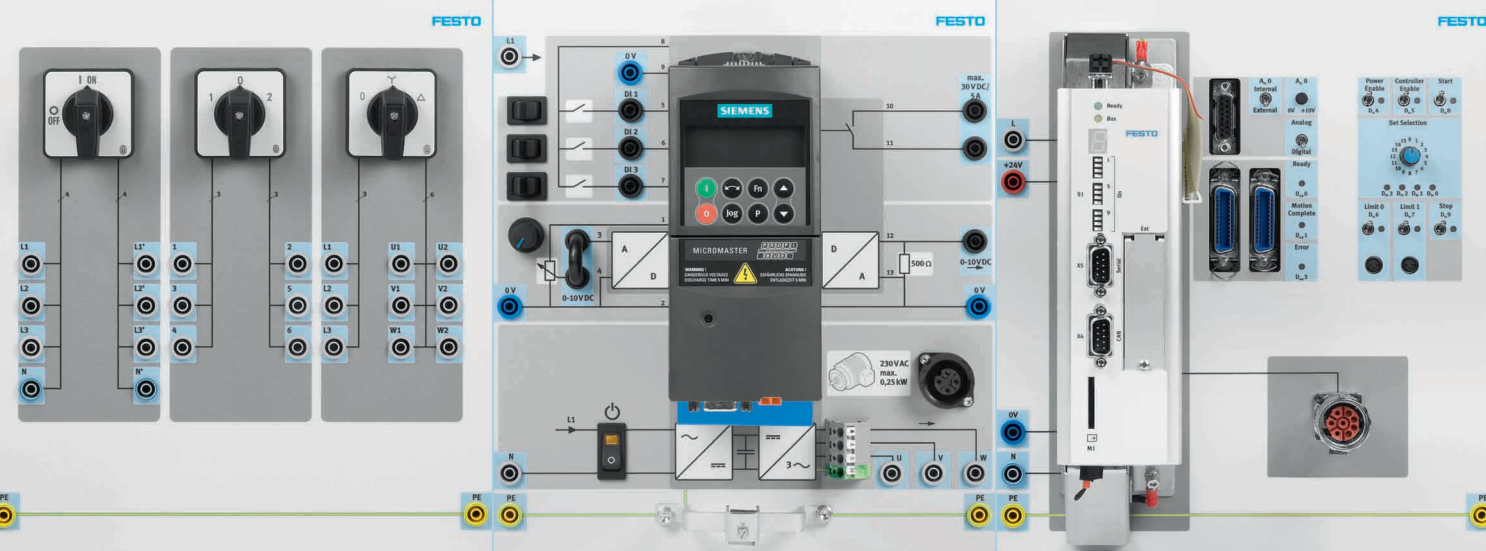


... to contacting circuits ...

Motor switches

Frequency converters

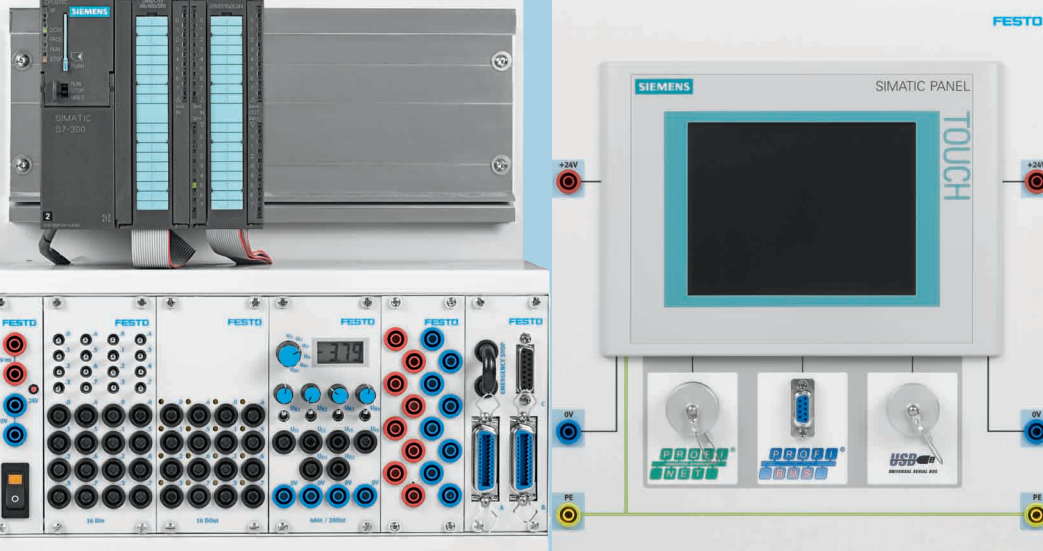
Servo controllers



... and modern motor controllers ...

Programmable logic controllers

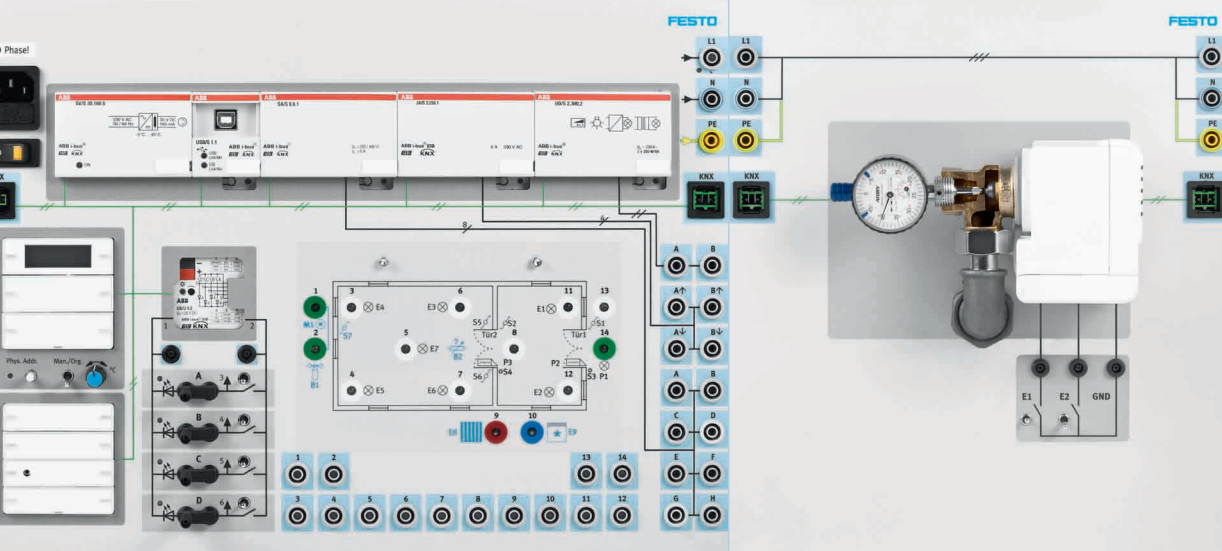
Touch panel



... through to automation of production processes ...

KNX compact board

Heating actuator



... and buildings

Training content

- Direct current technology
- Alternating current technology
- Semiconductors
- Basic electronic circuits
- Digital technology
- Analogue technology
- Control technology

Training content

- Power supply systems
- Safety measures
- Equipotential bonding
- Insulation resistance
- Resistanceloop
- Troubleshooting
- Initial and repeat inspections
- Inspection records

Training content

- Control elements
- Operating modes
- Interlocks
- Time relays
- Protective devices
- and control circuits

Training content

- DC, AC and three-phase drives
- Motor circuit
- Servo and stepper motor controllers
- Frequency converters

Training content

- Controllers
- Programming
- HMI
- Visualisation

Training content

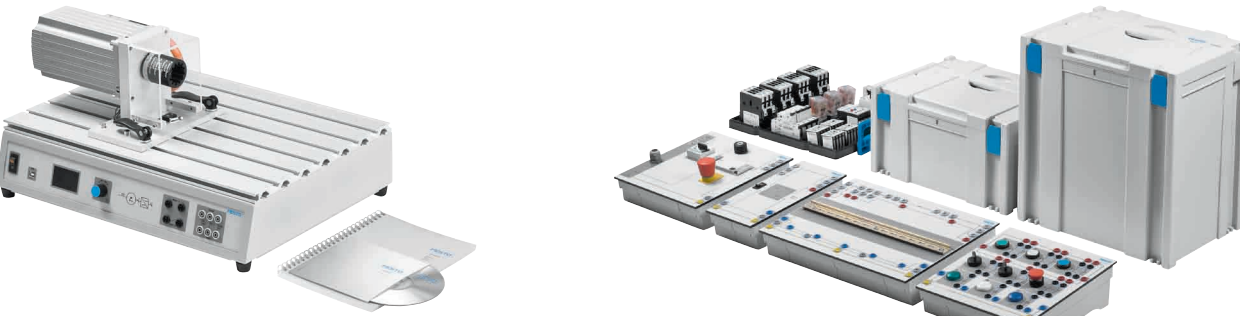
- KNX/EIB system fundamentals
- Programming
- Installation circuits
- Heating/air conditioning
- Controlling blinds



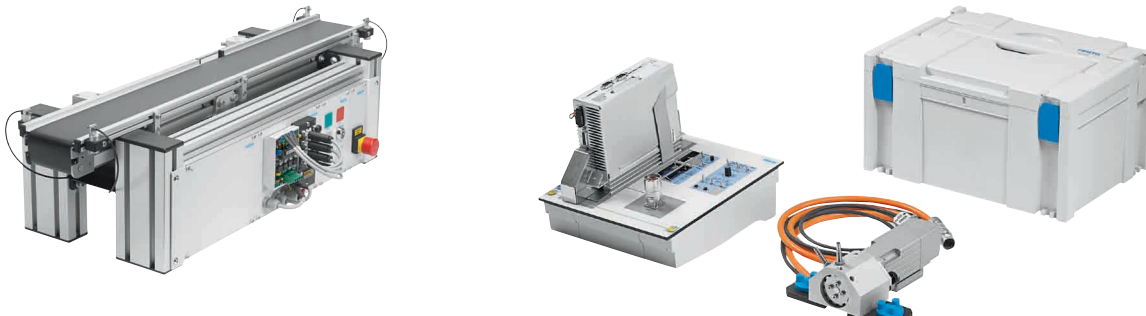
Outstanding design, function and didactic concept



Practical and theoretical support. Modern measuring devices and multimedia training programs



Main Notably: Compact brake and drive system, safety plug connectors, transport in a Systainer



DC, AC, servo, stepper motors: industrial controllers and practical applications



By professionals for professionals: automation components from the market leaders



Efficiency at home: heating, cooling, lighting, shading, etc

→ Emphasis is placed on the **manufacturing and processing industries** in a training programme for vocations in the fields of metalworking, electrical engineering, chemicals.

→ **Successful transfer to actual practice** is the final proof that the targeted training goals for industrial and commercial applications have been achieved, and that training has paid off.

→ **A highly practical approach, diverse methodologies and the selection of learning content** make a decisive contribution to the success of this transfer.

→ **The fundamentals of electrical engineering and electronics** are a constituent part of the foundation of nearly every commercial and industrial training programme of a technical nature.

Logical consequence:
laboratory furniture, training systems, media and qualification in electrical engineering and electronics from Festo Didactic.



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New-found training vitality
Training packages for electrical engineering and electronics



Basic laboratory
Drive technology
Automation
Electrical engineering/Electronics
Building automation technology



→ In particular those who are well trained have **the best chances** at finding interesting jobs.

→ **Successful training** is enjoyed by those who attend a well equipped school and are trained at a highly committed company.

→ **Greatest learning success** prevails when trainers and teachers are highly qualified, laboratories are suitably equipped, and training devices and media are well matched to each other.

→ **The layout of the training laboratory** is most successful when mutual planning is taken advantage of, and every-thing is supplied from a single source.

Logical consequence:
training concepts, equipment and learning systems from A to Z from a single source, namely Festo Didactic.