

Factory automation



- Control cabinets made to measure
- Individually configured
- Adapted to requirements in industrial automation
- Design and sizing included

Festo made-to-measure control cabinets provide protection for all pneumatic, electrical and electronic system components. The control cabinets are individually

designed and constructed for the respective application, taking into account specific industry requirements such as those in the food or automotive industries, for example. The design is

also influenced by local conditions such as weather and climate. Along with Festo components, third-party components are integrated into the control cabinets as required.

The operationally tested system is delivered ready-to-install – directly to the place of operation if requested.

Technical data

- Simple to complex control cabinet designs
 - Pneumatic
 - Electrical
 - Combined
- Application-specific combination of components
- Use of the latest innovations and technologies
- 100% tested, with test certificate
- Ready-to-install
- Complete documentation

- Design conforms to:
 - EN 60204-1
 - ATEX zone 1 and 21 (pneumatic only), ATEX zone 2 and 22 (electric and electropneumatic)
 - UL-508A
- Implementation of safety functions

- Different bus technologies:
 - PROFIBUS
 - PROFIBUS DP
 - PROFIBUS-PA
 - PROFIBUS-FMS
 - PROFINET
 - INTERBUS
 - EtherCAT
 - CANopen
 - MODBUS
 - DeviceNet
 - Ethernet/IP
 - CC-Link
 - AS-interface

Ready-to-install – the benefits to you

Ordering

Just one order number for the entire control cabinet.

Engineering

Complete engineering solution according to your application-specific requirements by Festo specialists.

Production & assembly

The entire production and assembly process is taken care of for you.

Testing & test run

The control cabinet is fully tested.

Documentation

You receive detailed system documentation, which you can quickly and easily integrate into your overall documentation:

- Assembly drawing
- Parts list
- Circuit diagrams (EPLAN/Promis)
- Operating instructions for components

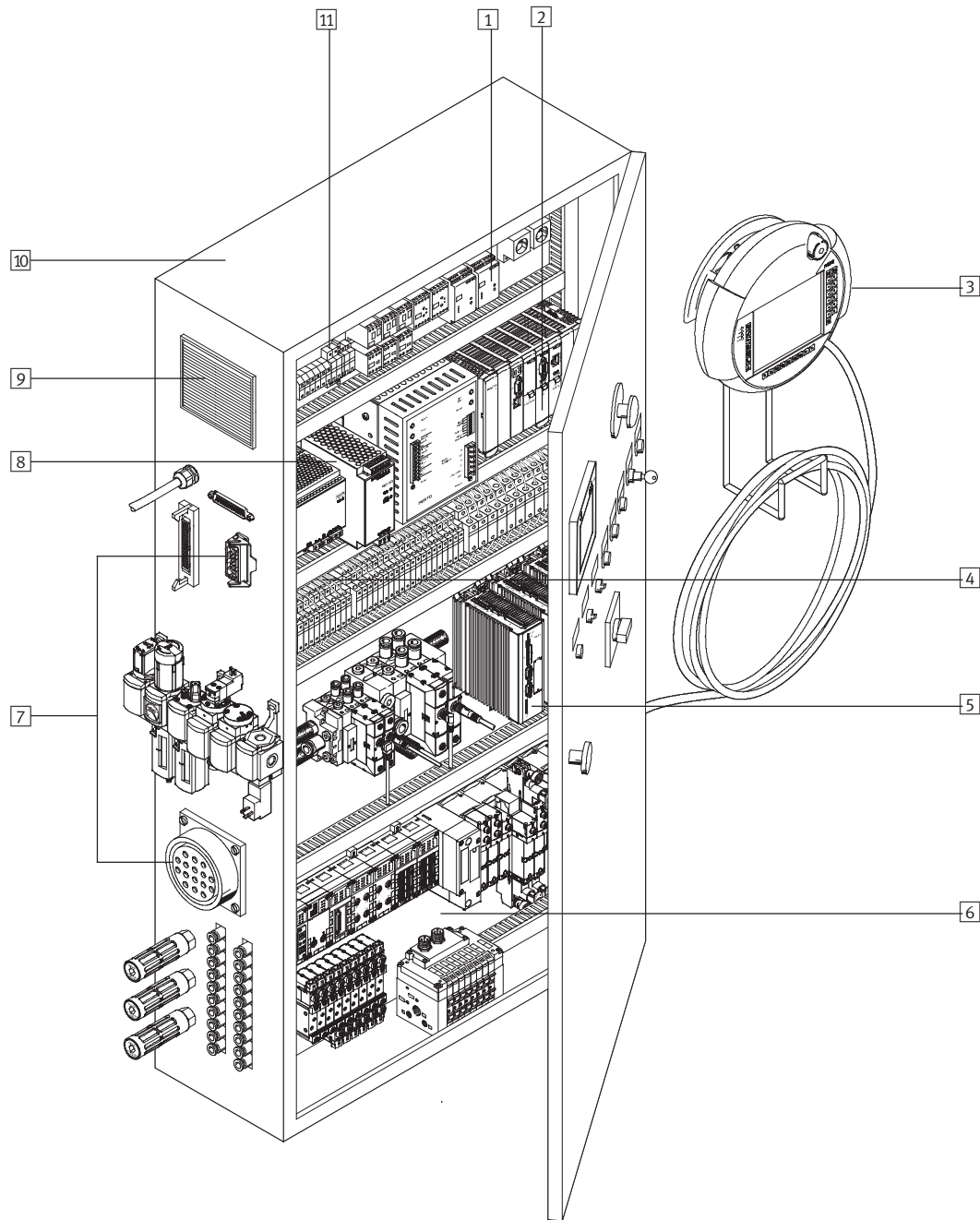
Interested in control cabinets for factory automation?

Ask your Festo sales engineer, who will be happy to help.

Or visit your local website at www.festo.com,

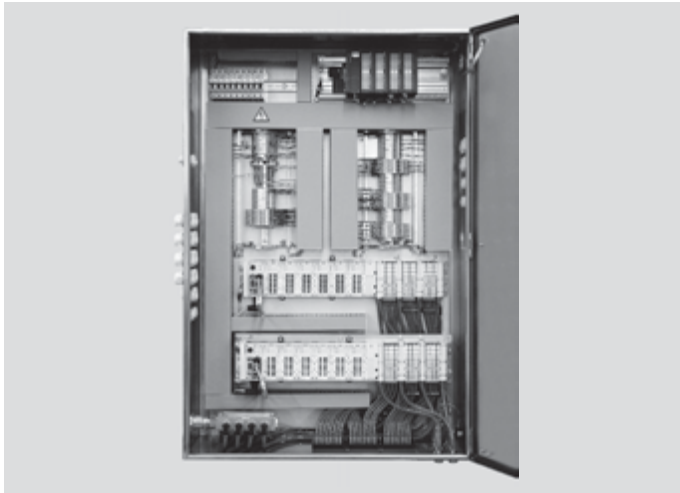
where you will find further information on ready-to-install solutions.

Factory automation



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|---|--|--|--|
| <p>1 Power supply</p> <ul style="list-style-type: none"> - 24 V DC, up to 20 A - 48 V DC - Single-phase/three-phase - Plug sockets <p>2 Control systems</p> <ul style="list-style-type: none"> - CMXR, CECX, FED, CPX - Robot control systems - Third-party control systems - Up to 6 axes - Safety relay <p>3 Operator units</p> <ul style="list-style-type: none"> - Mobile: MMI, CDSA - Integration on control cabinet: emergency shut-off, key actuator, control elements | <p>4 Wiring/tubing</p> <ul style="list-style-type: none"> - Number of wires - Cross section - Cable harness/individual cables - Cable inscription - Tubing diameter - Tube colour/material - Tube designation <p>5 Controllers</p> <ul style="list-style-type: none"> - Servo motor - Stepper motor - DC motor | <p>6 Pneumatics</p> <ul style="list-style-type: none"> - Valves/valve terminals - Compressed air preparation - Pressure regulators - Sensors - Servopneumatics <p>7 Outputs</p> <ul style="list-style-type: none"> - Pneumatic, electrical - Multi-pin interfaces <p>8 Power supply unit</p> <ul style="list-style-type: none"> - Converts AC voltage/frequency - Speed regulation | <p>9 Cooling/heating</p> <ul style="list-style-type: none"> - Active - Passive <p>10 Housing</p> <ul style="list-style-type: none"> - Sheet steel/stainless steel/aluminium/plastic - Standard sizes - Special sizes - Illuminated - Control cabinet colour RAL 7035 or special colour - Labels <p>11 Fuses</p> <ul style="list-style-type: none"> - Fuse - Circuit-breaker |
|---|--|--|--|

Process automation



- Control cabinets made to measure
- Individually configured
- Adapted to requirements in process automation
- Design and sizing included

Festo made-to-measure control cabinets provide protection for all pneumatic, electrical and electronic system components. The control cabinets are individually

designed and constructed for the respective application, taking into account specific process industry requirements. The design is also influenced by local conditions such as

weather and climate as well as compliance with hygiene criteria or protection classes. Along with Festo components, third-party components are integrated into the

control cabinets as required. The operationally tested system is delivered ready-to-install – directly to the place of operation if requested.

Technical data

- Simple to complex control cabinet designs
 - Pneumatic
 - Electrical
 - Combined
- Application-specific combination of components
- Different operating voltages possible
- Use of the latest innovations and technologies
- 100% tested, with test certificate
- Ready-to-install
- Complete documentation
- Design conforms to:
 - EN 60204-1
 - ATEX zone 1 and 21 (pneumatic only), ATEX zone 2 and 22 (electric and electropneumatic)
 - UL-508A

- Implementation of safety functions
- Wide range of bus technologies
- Compliance with special cleanliness and hygiene requirements
- Special materials, e.g. stainless steel, for use in virtually all ambient conditions
- Protected against the entry of liquids and foreign matter, e.g. dust
- Installation of heating or cooling elements possible in areas of application with extreme temperature fluctuations
- Intrinsically safe valve terminal technology

- Replacement of individual terminal valves during operation (hot-swap)
- Inspections without opening the cabinet using inspection window
- Control elements on the outside
- Safe thanks to key lock system on the service unit: to switch off, all employees responsible must remove their lock

Ready-to-install – the benefits to you

Ordering

Just one order number for the entire control cabinet

Engineering

Complete engineering solution according to your application-specific requirements by Festo specialists

Production & assembly

The entire production and assembly process is taken care of for you.

Testing & test run

The control cabinet is fully tested.

Documentation

You receive detailed system documentation, which you can quickly and easily integrate into your overall documentation:

- Assembly drawing
- Parts list
- Circuit diagrams (EPLAN/Promis)
- Operating instructions for components

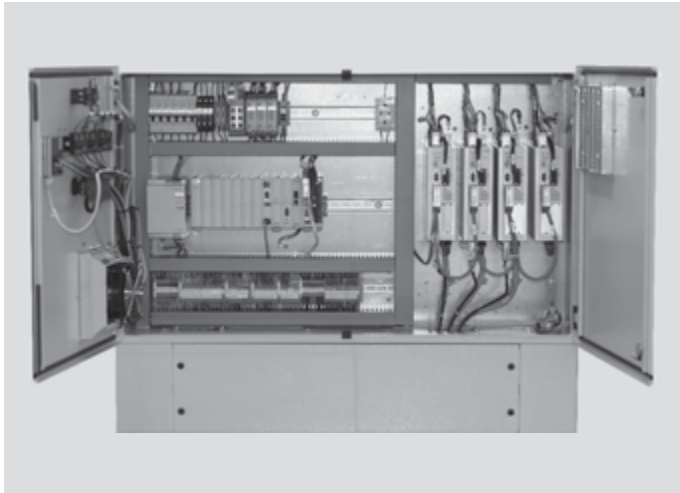
Interested in control cabinets for process automation?

Ask your Festo sales engineer, who will be happy to help.

Or visit your local website at www.festo.com,

where you will find further information on ready-to-install solutions.

Control cabinets for controllers



- Made-to-measure control cabinets for controlling handling systems
- Software package for third-party devices included
- Individually configurable
- Adapted to requirements for handling solutions → P-526

Festo made-to-measure control cabinets for controllers provide protection for control components for single-axis and multi-axis systems, from solutions involving simple control tasks to the

complex control of highly dynamic movements, such as with the tripod. The control cabinets are individually designed and constructed for the respective application, taking into

account specific industry requirements such as those in the food or pharmaceuticals industries, for example. Festo can also integrate third-party components, including software

packages, as required. The operationally tested system is delivered ready-to-install – directly to the place of operation if requested.

Technical data

- Simple to complex control cabinet designs
 - Pneumatic
 - Electrical
 - Combined
- 1 ... 31 axes
- Application-specific combination of components
- Use of the latest innovations and technologies

- 100% tested, with test certificate
- Ready-to-install
- Complete documentation
- Design conforms to:
 - EN 60204-1
 - ATEX zone 1 and 21 (pneumatic only), ATEX zone 2 and 22 (electric and electropneumatic)
 - UL-508A

- Implementation of safety functions
- Wide range of bus technologies

Ready-to-install – the benefits to you

Everything from a single source
Handling system and control cabinet perfectly co-ordinated.

Ordering
Just one order number for the entire control cabinet.

Engineering
Complete engineering solution according to your application-specific requirements by Festo specialists.

Production & assembly
The entire production and assembly process is taken care of for you.

Testing & test run
The control cabinet is fully tested.

Documentation
You receive detailed system documentation, which you can quickly and easily integrate into your overall documentation:

- Assembly drawing
- Parts list
- Circuit diagrams (EPLAN/Promis)
- Operating instructions for components

Interested in controller control cabinets?

Ask your Festo sales engineer, who will be happy to help.

Or visit your local website at www.festo.com,

where you will find further information on ready-to-install solutions.