Festo made-to-measure control cabinets provide protection for all pneumatic, electric and electronic system components.

The control cabinets are individually designed and built for the 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 where it will be used, 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
- Fully 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.

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

**Checking and testing**
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.
1. **Power supply**
   - 24 V DC, to 20 A
   - 48 V DC
   - Single-phase/three-phase
   - Plug sockets

2. **Control system**
   - CMXR, CECX, FED, CPX
   - Robot control system
   - Third-party control systems
   - Up to 6 axes
   - Safety relay

3. **Operator units**
   - Mobile: MMI, CDSA
   - Integration in the control cabinet: emergency off, key actuator, control elements

4. **Wiring/tubing**
   - Number of wires
   - Cross section
   - Cable harness/individual cables
   - Cable inscription
   - Tubing diameter
   - Tubing colour/material
   - Tubing designation

5. **Controller**
   - Servo motor
   - Stepper motor
   - DC motor

6. **Pneumatics**
   - Valves/valve terminals
   - Compressed air preparation
   - Pressure regulators
   - Sensors
   - Servopneumatics

7. **Outputs**
   - Pneumatic, electrical
   - Multi-pin interfaces

8. **Power supply unit**
   - Converts AC voltage/frequency
   - Speed regulation

9. **Cooling/heating**
   - Active
   - Passive

10. **Housing**
    - Sheet steel/stainless steel/aluminium/polymer
    - Standard sizes
    - Special sizes
    - Illuminated
    - Control cabinet colour RAL 7035 or special colour
    - Labels

11. **Fuses**
    - Fuse
    - Circuit breaker
Festo made-to-measure control cabinets provide protection for all pneumatic, electric and electronic system components. The control cabinets are individually designed and built for the application, taking into account specific requirements in process automation. 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 where it will be used, 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
- Fully 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 ingress of liquids and foreign matter
- Installation of heating or cooling elements
- Intrinsically safe valve terminal technology
- Replacement of individual terminal valves during operation (hot swap)
- Installation of inspection windows
- 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 and assembly
  The entire production and assembly process is taken care of for you.
- Checking and testing
  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.
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 parallel kinematic system. The control cabinets are individually designed and built for the 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 where it will be used, if requested.

Technical data
- Simple to complex control cabinet designs
- 1 ... 31 axes
- Application-specific combination of components
- Use of the latest innovations and technologies
- Fully 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 and assembly
The entire production and assembly process is taken care of for you.

Checking and testing
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 cabinets for control systems?
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.