

FHPP gateway for electric drives CPX-CM-HPP

FESTO



For more options: Festo electric drives can now be controlled via CPX terminals! Thanks to the FHPP gateway, up to four individual electrical axes can be connected via a CAN bus interface. As a result, all Festo electric drives can be integrated.

Universal: approach

Thanks to the CPX-CM-HPP, electric drives from Festo are compatible with all industrial communication interfaces. They are controlled by a master controller using a CPX fieldbus node or by a local, front-end controller in the CPX terminal.

Focused: on one function

The CPX-CM-HPP offer simple, flexible and low-cost control of individual axes. With the handheld CPX-MMI configuration is quick and easy. And built-in diagnostic provide rapid error detection and fault finding.

Open: for all fieldbuses

With the Festo Handling and Positioning Profile (FHPP), communication for all drives is totally uniform. The result is consistent control, irrespective of the fieldbus nodes used.



For electric drives

Festo plug and work®

Reduced control effort

210.24.PSI →

Product Short Information

FHPP gateway for electric drives

CPX-CM-HPP

In short: simple, flexible and low-cost

- Simple control of electric drives via CAN bus with the Festo Handling and Positioning Profile (FHPP)
- Compatibility with all control systems via the CPX system's fieldbus nodes (ProfiNet, EtherCat, Ethernet/IP, DeviceNet, CC-Link)

- Low-cost fieldbus connection for electric drives in the CPX system
- Uniform control of all Festo electric drive systems
- No programming of the CPX-CM-HPP module required
- Commissioning support and diagnostic capability via the MMI operator unit in the CPX system

Easy and reliable operating mode for controlling individual axes

Control signals arriving at the CPX terminal's fieldbus nodes via FHPP are transferred to the connected drive controllers via the integrated CAN bus interface. The FHPP profile remains unaltered. The FHPP profile was developed for individual axes, therefore the FHPP can only control axes individually. The CPX-CM-HPP is designed for the simple control of individual (non-interpolated) axis.



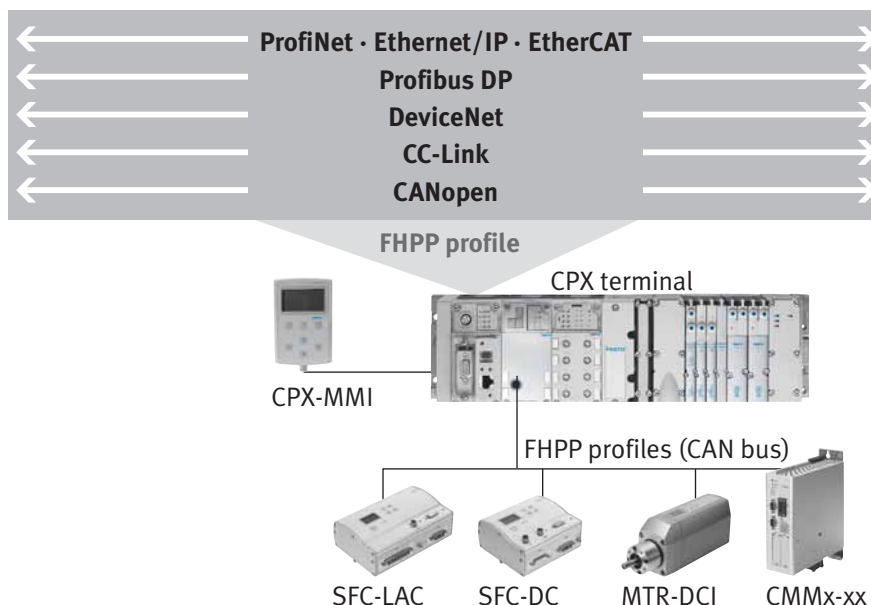
CPX-CM-HPP gateway for four electric drives based on the FHPP profile

Even simpler programming in the future

PLC programmers will discover an easy-to-use data interface based on the FHPP profile.

Convenient configuration, control and diagnostics with the CPX-MMI operator unit

The MMI operator unit, created specifically for the CM-HPP module, enables quick configuration and offers the possibility of testing the axes. Diagnostic functions are provided via the MMI; as a result, helpful information on the status information on the axes is available in the event of an error.



Technical data

Number of axes	Max. 4 electric drives
Display components	2x LED/3 digit display with 7 segments (status, error)
Interface/connection	CAN bus interface (M9 – 5-pin) for connecting the drive systems
Configuration support	CPX-MMI operator unit
Communication	FHPP profile (Festo Handling and Positioning Profile)
Protection class	IP65/IP67

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