



Compact interface CTED



Highlights

- Space-optimised: small footprint, cables in the same direction as the compressed air tubing
- Multi-protocol for all common Ethernet protocols can be selected via a hardware switch or software parameters
- Cost-effective connection of the valve terminal to the control unit with full functional configuration
- Real-time communication up to the valve
- Plug options for communication and power supply: M12, M8, RJ45/terminal strip
- 2 variants for parallel and serial communication of the VTUX

As a direct bus integration for the VTUX valve terminal, the compact interface CTED offers a very space and cost-optimised option for connecting the VTUX directly to the control system via the Industrial Ethernet protocol. CTED offers maximum flexibility as a multi-protocol device with three connector options for communication and power supply.

Compact direct bus integration
With its compact footprint and the cables for communication and power supply in the same direction as the compressed air tubing, CTED saves space and is therefore perfect for applications where space is tight. Thanks to the direct bus connection, the valve terminal is also directly visible in the control system.

Multi-protocol for PROFINET, EtherCAT, EtherNet/IP, Modbus/TCP and CC-Link IE Field Basic
The most common Industrial Ethernet protocols can be controlled with just one compact interface. Parameterisation is carried out via switches in the housing or alternatively via software parameters. When ordered as an assembled valve terminal via the VTUX modular system, a protocol can be pre-parameterised. This keeps commissioning as simple as possible.

Plug variants for every requirement

There are three plugs to choose from for CTED: M8 (COM, Power), M12 (COM, Power) and RJ45 (COM) with terminal strip (Power). The M8 and M12 variants guarantee high protection class IP65 with the standard plugs. The RJ45 variant for communication, on the other hand, offers IP40 and a correspondingly simple connection to the network.



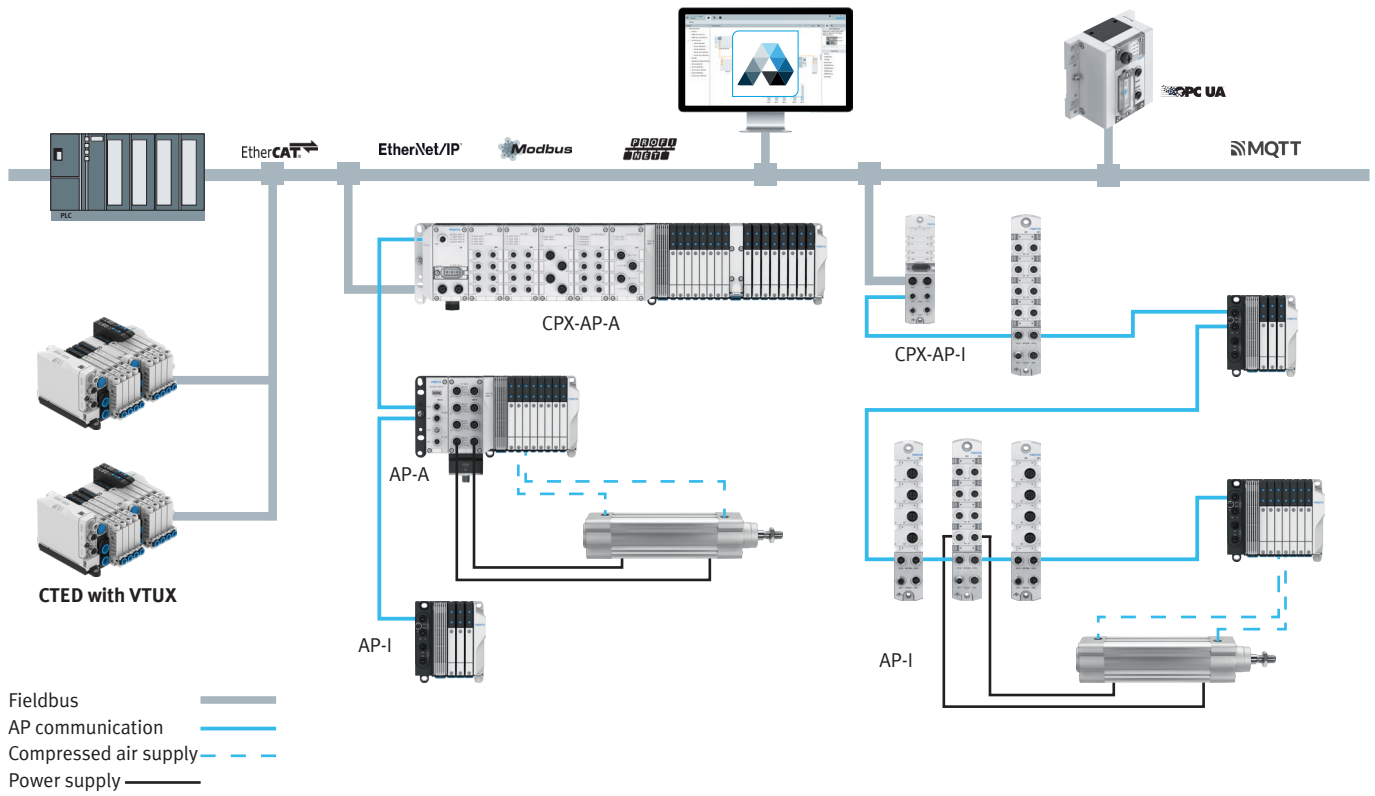
Additional information:

Product page

> www.festo.com/catalogue/cted



System topology



Technical data

CTED	
Module identifier	VABX-A-[P/S]-EL-E12-CTED-MP[M12/M8/RJ45]-SHUH-XL
Available for	VTUX-A-P (part no. 8000800), VTUX-A-S (part no. 8000805)
Dimensions	50.1 × 107.3 × 57.5 mm (including compact interface module)
Ambient temperature	-5 ... +50 °C
Storage temperature	-20 ... +70 °C
Relative humidity	5 ... 95%, non-condensing
Degree of protection	IP65 (variants M12, M8) IP40 (RJ45 variant)
Electrical control	Industrial Ethernet
Protocol	Multi-protocol (Profinet, EtherCAT®, CC-Link IE Field Basic, EtherNet/IP, Modbus TCP/IP)
Connection technology communication interface	M12, M8, RJ45