

Fieldbus node CTEU-VN



Simply universal!

Highlights

- Easy to mount on decentralised valve terminals from Festo
- Standard M12 plus galvanic isolation of the load voltage
- Sturdy and compact for application areas IP65/IP67
- Fail-safe mode
- Easy firmware updates via Festo Field Device Tool (FFT)

The fieldbus node CTEU is versatile and easy to use, and integrates valve technology from Festo into the fieldbus world. With VARAN*, the successful CTEU concept now has a real-time, Ethernet-based bus for very short cycle times and minimum synchronicity jitter.



Flexible and versatile

The CTEU-VN can be mounted on many valve terminals: MPA-L, VTUG, VTUB, CPV. The adapter plate CAPC saves you money because two valve terminals fit on one CTEU-VN.

Easy commissioning

Standardised labelling and proven M12 connection make life easy for you. All configuration data for communication with the CTEU-VN can be easily retrieved from the LASAL class file in the product catalogue of the Sigmatek control software.

Clear, unambiguous, and always up to date

The CTEU-VN makes the valve terminal world smarter thanks to diagnostics that you receive via the VARAN network:

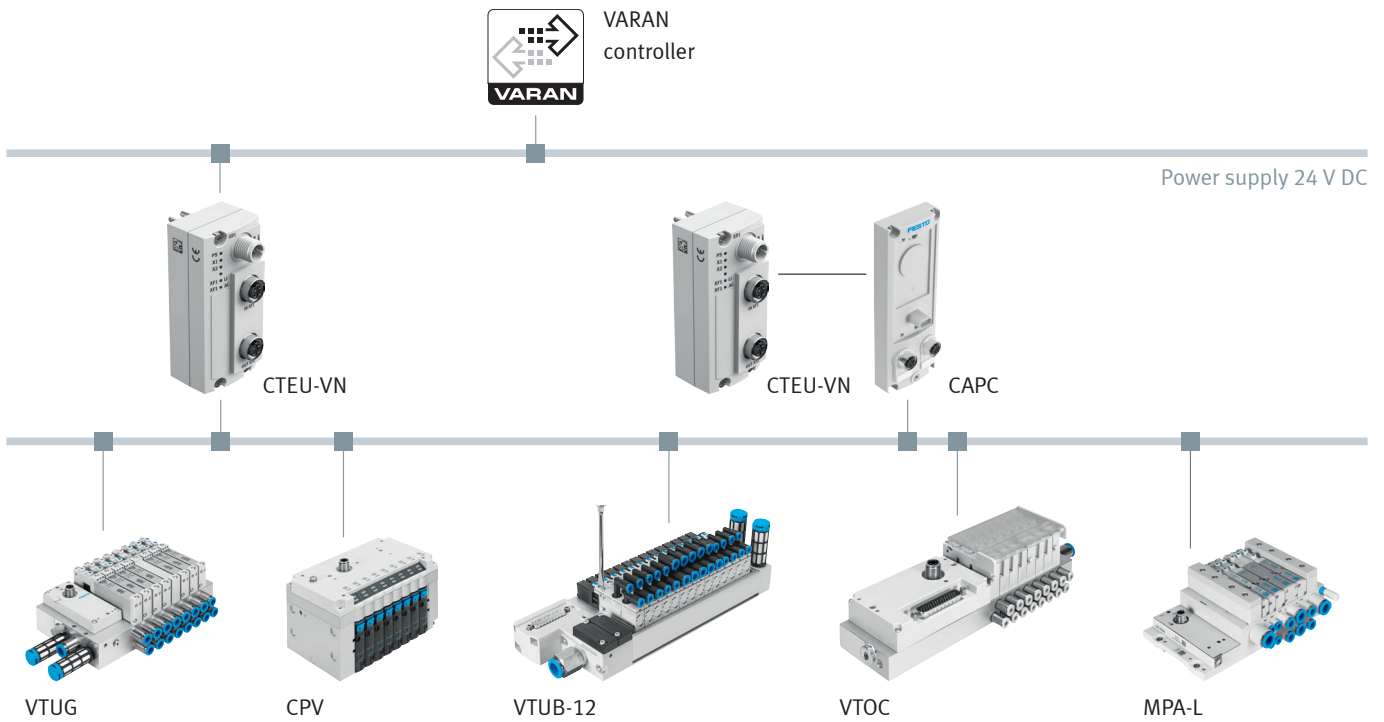
- Short-circuit detection
- Device communication interrupted
- Under-voltage
- Device information

You can parameterise fail-safe modes such as "Hold last state" or "Zero outputs" and update the firmware with the free Festo Field Device Tool (FFT) – just download it from the Festo Support Portal!

*VARAN = Versatile Automation Random Access Network

Fieldbus module CTEU-VN

Possible architectures with CTEU-VN



Technical data

General

Fieldbus interface

Protocol	VARAN
Transmission rate [Mbit/s]	100
Type	Ethernet
Connection type	2 x socket
Connection technology	M12 x 1, D-coded to EN 61076-2-101
Number of pins/wires	4
Galvanic isolation	Yes
Internal cycle time	1 ms per 1 byte of user data
Function	Bus connection incoming/outgoing

Inputs/outputs

Maximum address capacity inputs [byte]	32
Max. address capacity outputs [byte]	32

Electrical

Nominal operating voltage [V DC]	24
Operating voltage range [V DC]	18 ... 30
Intrinsic current consumption at nominal operating voltage [mA]	Typically 65
Max. power supply [A]	4
Power supply	
Function	Electronics and load
Connection type	Plug
Connection technology	M12 x 1, A-coded to EN 61076-2-101
Number of pins/wires	5