ENGINEERING
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VLT® Modbus TCP MCA 122

High performance Modbus TCP fieldbus option for VLT® AutomationDrive, VLT® HVAC Drive and VLT® AQUA Drive.



Ordering number

Uncoated	130B1196
Coated	130B1296

The VLT® Modbus TCP MCA 122 Option offers connectivity to Modbus TCP based networks, such as Groupe Schneider PLC system via the Modbus TCP Protocol.

The option is able to handle a single connection with an Actual Packet Interval down to 5 ms in both directions, positioning it among the fastest performing Modbus TCP devices in the market.

Other features:

Built-in web-server for remote diagnosis and reading out basic drive parameters.

An E-mail notificator can be configured for sending an e-mail message to one or several receivers, if certain warnings or alarms occur, or have cleared again.

MCA 122 was introduced in 1998 and is today one of the most developed, proven and complete industrial Ethernet network solutions available for manufacturing automation.

MCA 122 is a member of a family of networks that implements the Modbus protocol at its upper layers.

Modbus encompasses a suite of messages and services for a variety of manufacturing automation applications, including control, configuration and information.

As a truly media-independent protocol that is supported by hundreds of vendors around the world, Modbus TCP provides users with a unified communication architecture throughout the manufacturing enterprise.

The plug and play option can be installed in VLT® HVAC Drive, VLT® AQUA Drive and VLT® AutomationDrive frequency converters

Application protocols

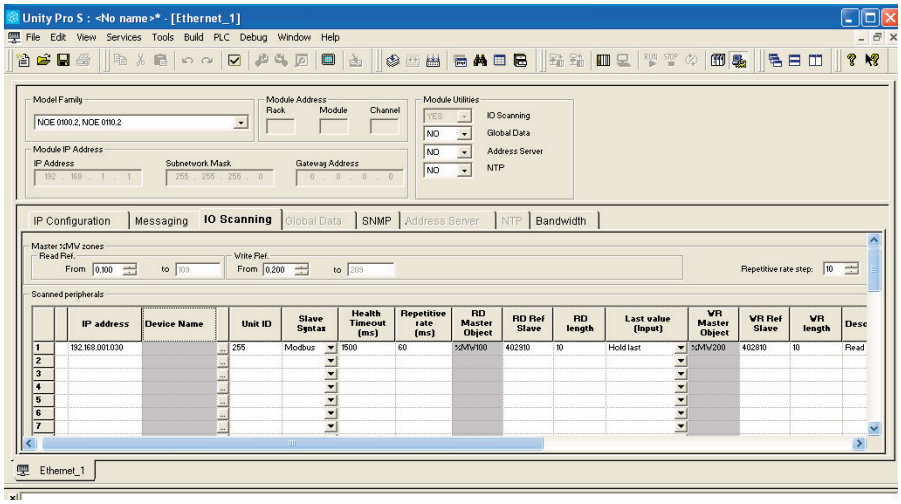
- EtherNet/IP (Industrial Protocol) for controlling and parameter setting
- CIP (Common Industry Protocol) For communication to the PLC
- HTTP (Hypertext Transfer Protocol) for diagnosis via build-in web server
- SMTP (Simple Mail Transfer Protocol) for e-mail notification
- DHCP (Dynamic Host Configuration Protocol) automatic IP address configuration
- TCP/IP (legacy TCP/IP) transparent Socket Channel connection to VLT® Motion Control Tool MCT10

Feature	Benefit
Connectivity to Modbus TCP based networks	Connects to Groupe Schneider PLC systems and to various SCADA systems
Actual Packet Interval down to 5 ms	High performance
Built-in web-server	Remote diagnosis and reading out of basic drive parameters
E-mail notificator	Notifies if warnings or alarms occur
Two Ethernet ports with built-in switch	• Simple cabling • No need for expensive switches or hubs
Support of dual PLC Masters	Allows the use of redundant Masters for bumbles control transfer

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The VLT® Modbus TCP MCA 122 does not require any special configuration file to be loaded into the PLC's programming tool.

It simply Integrates by entering the IP address and holding registers. It can't become more simple like that



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