

Человеко-машинный интерфейс MVisio Lite 5

Технические характеристики

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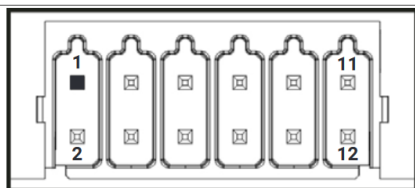
Quick Start Guide MVisio HMI Lite 5

Quick Start Guide

Technical Data

Display	MVisio HMI Lite (5"-Version)
Touchscreen Technology	Capacitive
Display / backlight	TFT Color / LED
Colors	16.7 M
Resolution	800x 480
Diagonal (Inches)	5
Format	16:9
Dimmable	Yes
Connections	MVisio HMI Lite (5"-Version)
Serial Connection	Software configurable RS232, RS485, RS422
Ethernet Connection	2x RJ45, 10/100 Mbit
USB Connections	1x USB 2.0
Network Connection: Voltage Current at 24 VDC	9 bis 32 VDC; preferred 24 VDC 0.9 A
SD-Card slot	No
Erweiterungssteckplatz	No

Serial connection



Hint:

To enable CAN bus termination (R120Ω) pins 1-2 must be connected externally.

The RS485 GND and CAN GND pins are isolated from each other. RS485 SHIELD is internally connected to Earth via terminal 3 of the power connector

Pin	
1	CAN-H
2	CAN 120 ohm
3	CAN-L
4	CAN-H
5	CAN-GND
6	CAN-SHIELD
7	GND
9	RTS / CHA+
10	CTS / CHB+
11	TXD / CHA-
12	RXD / CHB-

Ground the device

The minimum wire cross-section for the earth connection is 1.5 mm².

- Ground the instrument via clamp 3 on the power supply connection.

Put into operation

- Clean the front panel of the unit with a damp cloth before switching on to avoid any electrostatic discharge.
- Provide transient protection at the supply terminals, set to a maximum of 140% of the peak value of the rated voltage.

Maintain

DANGER

Potentially explosive atmosphere

Explosion by ignitable sparks

- Avoid layers of dust on the device that could cause the accumulation of static charges. The devices must be cleaned at regular intervals with a damp cloth.

Repair

The device is not intended for repair by the user. If the device is defective, take it out of operation. When returning the unit to Zander, please observe our return conditions (see www.zander-aachen.de).

Disposal

The device is equipped with a rechargeable lithium battery, which is not intended for replacement by the user.

- To dispose of it, open the back of the unit and remove the battery.
- The device and the lithium battery must be disposed of properly in accordance with the WEEE Directive 2012/19/EU and should not be disposed of in normal household waste.

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For your safety

Intended use

The HMIs (Human Machine Interfaces) of the MVisio Pro family are used to control, operate and monitor machine processes. The devices may only be used as in this instructions described. Any other use is considered improper. H. Zander GmbH & Co. KG assumes no liability for any damage resulting from this.

General Safety Instructions

- Only professionally trained personnel may mount, install, operate, parameterize, program and maintain the device.
- The devices exclusively meet the EMC requirements for the industrial sector and are not suitable for use in residential areas.
- Only use the device in accordance with the applicable national and international regulations, standards and laws.

Notes on EX protection

- Observe national and international regulations for explosion protection.
- This device is not approved for use in potentially explosive atmospheres!
- This device, with the exception of the front display, is an open device and must be installed in a housing suitable for the environment, so that the inner part of the device is only accessible by means of a tool.

Product description

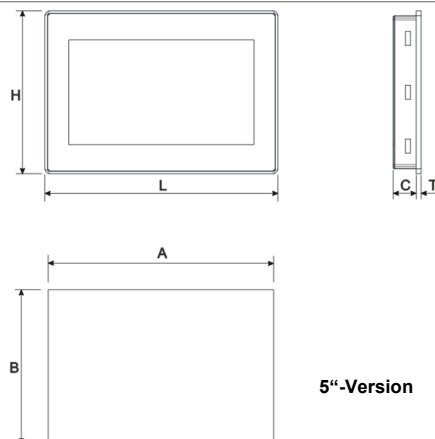
Functions and operating modes

The devices of the MVisio-Pro family combine the functions "control, operation and monitoring" by CODESYS-V3-PLC with integrated visualisation to a full-fledged control unit. The CODESYS-3 control of the MVisio-Lite device can basically serve as a master/slave for PROFINET, EthernetIP, ModbusTCP and Modbus RTU. Use as an EthernetIP scanner (master) must be considered separately.

Further functions

- Ethernet TCP/IP or UDP/IP communication
- OPC UA Server and Client
- Serial communication via RS232, RS485 and RS422

Dimensions

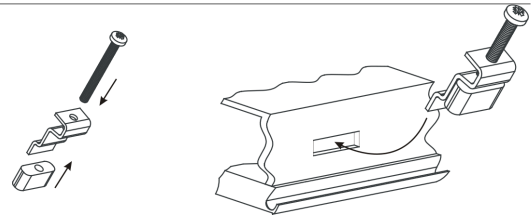
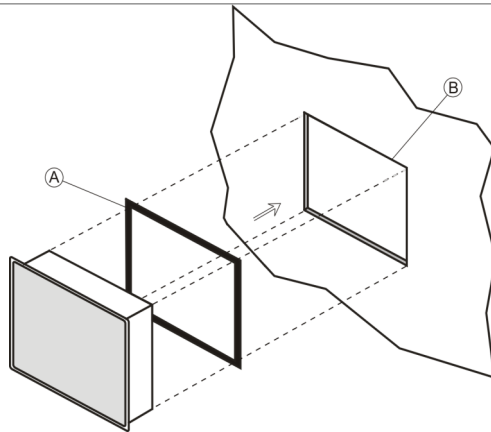


	5 Inches
A	136 mm
B	96 mm
C	29 mm
H	107 mm
L	147 mm
T	8 mm

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Assembly



A = MVisio Pro, B = Panel cut-out

Mount the device as follows:

- Tighten each of the screws until the corners of the frame rest on the panel. The maximum tightening torque is 75 Ncm.
- Select a mounting location so that the device is not exposed to direct sunlight.
- Do not cover the ventilation slits in the device.

Danger

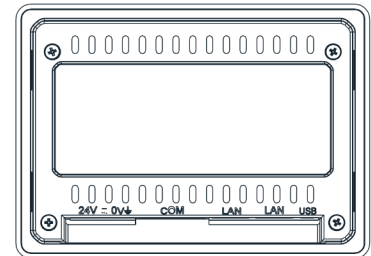
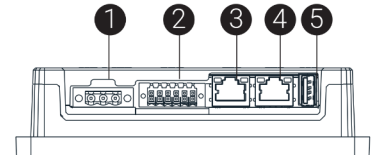
Explosion hazard due to ignitable sparks

Use in potentially explosive atmospheres is not permitted.

Connect

Connect the device according to the figure.

5"-Version



Connection / Slot	Funkcion
1	Voltage Supply
2	Serial / CAN Port
3	Ethernet-Port 0 (10/100 Mbit)
4	Ethernet-Port 1 (10/100 Mbit)
5	USB-Port , V2.0, max 500 mA

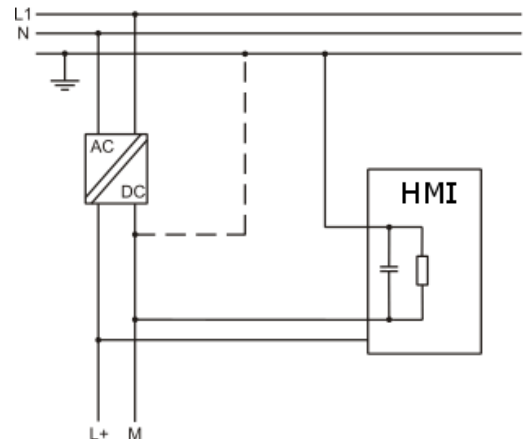
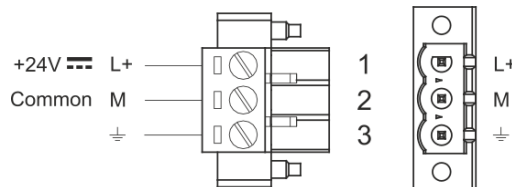
Note

Devices of protection class III to EN 61140 or class 2 to UL standard:

All connections are SELV connections.

Voltage supply

Connect the device to the supply voltage according to the illustrations.



Danger

Wrong choice of power supply

Danger to life due to overvoltage and electric shock

- Device only on SELV voltage sources according to European standard or at Class 2 voltage sources according to UL standard.

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