

LinMot®

2.5 kV fully isolated USB-RS485/422 converter



Product Manual

***Eine Deutsche Version kann unter <http://www.linmot.com> bezogen werden!
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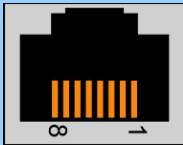
1 Specifications

- 2.5 kV fully isolated (power and data) RS-485/422 (for 1 minute per UL 1577)
- ± 15 kV ESD protection on RS-485 side
- High common - mode transient immunity: > 25 kV/ μ s

2 Drivers

Drivers for various operating systems can be obtained from the following website:
<http://www.ftdichip.com/Drivers/VCP.htm>.

3 Description of the connectors

RS485	Pin Nr.		
	1	Y	Isolated RS-485/422 Tx+
	2	Z	Isolated RS-485/422 Tx-
	3	A	Isolated RS-485/422 Rx+
	4		(Do not connect)
	5		Isolated GND
	6	B	Isolated RS-485/422 Rx-
	7		(Do not connect)
	8		(Do not connect)
RJ-45			

4 Termination Resistor

A termination resistor of 120 Ohm can be connected between Pins 3 (A) and Pin 6 (B) with switch S1.

5 Ordering Information and Accessories

Device	Description	Art.-No.
USB-RS485/422 converter (RJ45↔RJ45 cable and USB extension cable included)	2.5kV isolated USB-RS485/422 converter	0150-3356

6 FCC digital Class A compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

7 Declaration of Conformity CE-Marking

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declares under sole responsibility the compliance of the products:

- 2.5 kV fully isolated USB-RS485/422 Converter (Art.-No.:0150-3356)

with the **EMC Directive 2014/30/EU**.

Applied harmonized standards:

- **EN 61000-6-2: 2005 (Immunity for industrial environments)**
- **EN 61000-6-4: 2007 (Emission for industrial environments)**

According to the EMC directive, the listed devices are not independently operable products.

Compliance of the directive requires the correct installation of the product, the observance of specific installation guides and product documentation. This was tested on specific system configurations.

The safety instructions of the manuals are to be considered.

These products are intended for installation in machines. Operation is prohibited until it has been determined that the machines in which these products are to be installed, conforms to the above mentioned EC directive.

The product must be mounted and used in strict accordance with the installation instructions contained within the installation guide, a copy of which may be obtained from NTI AG.

Company: NTI AG
Spreitenbach, February 20, 2019



Dr. Ronald Rohner / CEO NTI AG

8 Contact Addresses

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Please visit <http://www.linmot.com/> to find the distributor closest to you.

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