

LinMot®

2.5 kV fully isolated USB-RS232 converter



Product Manual

***Eine Deutsche Version kann unter <http://www.linmot.com> bezogen werden!
Please visit <http://www.linmot.com> to check for the latest version of this document!***

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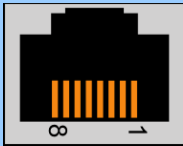
1 Specifications

- 2.5 kV fully isolated (power and data) RS-232
- ESD protection on RS-232 side:
 - ±8 kV: contact discharge
 - ±15 kV: air gap discharge
- High common - mode transient immunity: > 25 kV/μs

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

| RS232 | Pin Nr. | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------|
|  | 1 | (Do not connect) |
| | 2 | (Do not connect) |
| | 3 | Isolated RS-232 Tx |
| | 4 | Isolated GND |
| | 5 | Isolated GND |
| | 6 | Isolated RS-232 Rx |
| | 7 | (Do not connect) |
| | 8 | (Do not connect) |
| RJ-45 | See chapter 4 „Ordering Information and Accessories,, for adapter cables for different drives. | |

4 Ordering Information and Accessories

| Device | Description | Art.-No. |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------|
| USB-RS232 converter (RJ45↔RJ45 cable included) | 2.5kV isolated USB-RS232 converter For use with C1100, C1200, C1400, E1200, E1400, MB1150 and MB8050 series drives | 0150-2473 |
| Accessories | Description | Art.-No. |
| AC01-RJ45/Df-2.5-RS1 | RS232 adapter cable RJ-45 ↔ D-SUB9 For use with B1100, B8050, E100, E1001 and E1100 series drives | 0150-2476 |
| AC01-RJ45/RJ12-2.5-RS1 | RS232 adapter cable RJ-45 ↔ RJ12 For use with A1100 series drives | 0150-2477 |
| AC01-RJ45/B770-2.5-RS1 | RS232 adapter cable RJ-45 ↔ Binder 770 NCC IP67 For use with D1400 series drives | 0150-2479 |

5 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.

6 Declaration of Conformity CE-Marking

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declares under sole responsibility the compliance of the products:

- 2.5 kV fully isolated USB-RS232 Converter (Art.-No.:0150-2473)

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, April 11, 2016



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7 Contact Addresses

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

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