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## MULTIMODE FIBER OPTIC CONVERTER FOR USB

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CATALOGUE

## INDEX

INDEX.....	2
INTRODUCTION .....	3
KEY FEATURES .....	3
FEATURES OF THE OPTIONS .....	3
DIMENSIONS .....	4
CONNECTION DIAGRAMS.....	4
SPECIFICATION FOR ORDER.....	4

## INTRODUCTION

The Converters were designed for the interface between PC and the RS485 Fiber Optic serial communication bus. The interface with the PC is through a USB port.

By plugging the converter into the PC's USB it is automatically detected and installed as a native COM port.

The Converters were built in compliance with strict quality standards and use state-of-the-art electronic components (SMD), their hardware was designed to withstand severe working conditions, and can be installed directly in power substation panels. Meets the levels of demands, supportability and reliability according to IEC, DIN, IEEE, ABNT standards.

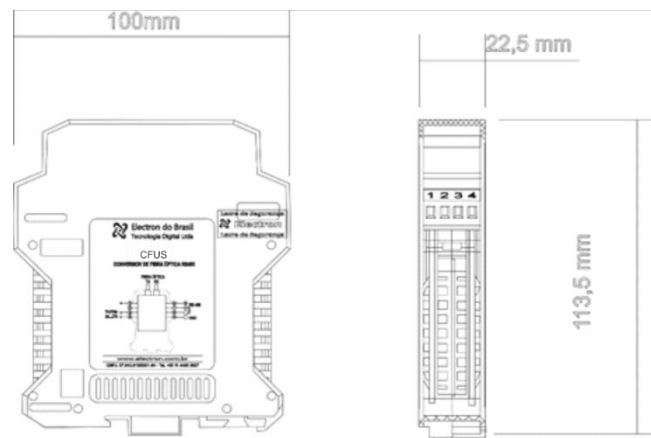
## KEY FEATURES

- Compact housing with 22.5x100x113.5 mm in ABS for DIN rail 35 mm;
- Powered by USB port < 200 mA;
- Communication speed from 1200 to 115200 bps;
- Maximum fiber length of 3000 m (multimode optical fiber, 62.5/125  $\mu$ m);
- Fiber connector in ST standard;
- Minimum transmit power -14.0 dBm (multimode optical fiber, 62.5/125  $\mu$ m);
- Maximum transmit power -10.0 dBm (multimode optical fiber, 62.5/125  $\mu$ m);
- Minimum receive sensitivity -24 dBm (multimode optical fiber, 62.5/125  $\mu$ m);
- Supports 50/125  $\mu$ m, 62.5/125  $\mu$ m, 100/140  $\mu$ m, and 200  $\mu$ m multimode optical fiber;
- Wavelength 850 nm;
- Indication with LED's of on, transmission and reception of data and link;
- Transmission Mode: Half Duplex;
- Interface with USB 2.0 Plug and Play computer;
- USB connection with Micro-B connector;
- Resistant to lightning strikes and damage caused by electrostatic discharge;
- Resistant to EMI/RFI and current surges, ideal for data communications near transformers, heavy electrical equipment, and other electrical or radio interference;
- Easy installation and use.
- 2 years warranty;
- Universal power supply 24 to 275 Vdc/Vac (optional);

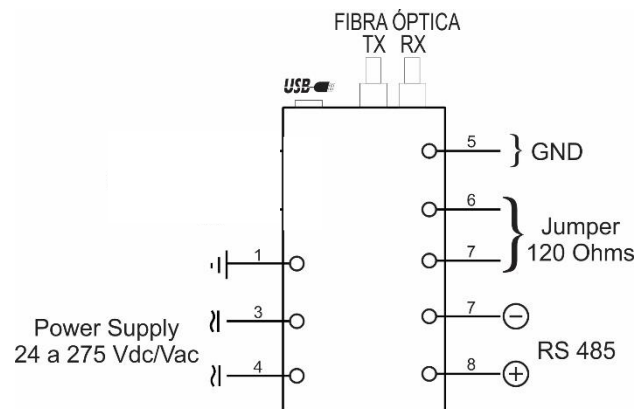
## FEATURES OF THE OPTIONS

- 4kV / 60Hz / 1 minute isolation between USB and power;
- 2kV / 60Hz / 1 minute isolation between busbar and power;
- 2.5kV / 60Hz / 1 minute isolation between USB and bus;
- Maximum cable length 1200 m;
- Internal 120 Ohms termination resistor, jumper-enabled;
- Maximum number of devices on the network of 32;
- RS485 bus protection:  $\pm$ 30kv ESD. Very robust three-stage protection.

## DIMENSIONS



## CONNECTION DIAGRAMS



## SPECIFICATION FOR ORDER

