

THE DATALINE SERIES

12-00034

rev_1

USB Isolator for Galvanic Isolation between PC and USB devices

Features

- **Galvanic Isolation** of USB connections between a PC and USB device up to min. 2500 V
- **Transparent:** Can be integrated into USB connections without any changes in software. No drivers required
- Data transmission with **low-speed and full-speed protocol**
- IP40 protected, class 2, optional EN 60601-1-2
- Size (mm LxWxD) 92 x 55 x 28mm
- Suitable for: All types of interfaces using USB-A to USB-B.
- Galvanic isolation prevents damage to host computer and interfaces.



Specification	
Power Supply	Via USB-B female from host (+5V~350mA). Secondary power via DC/DC converter. Current of 350mA. A version of the device with external power supply/battery is available on request.
LED Display	LED green - Power available
Data transmission	Bidirectional, half duplex, master-slave. Low speed 1.5Mbit/s, full speed 12Mbit/s
Signal	Throughput time ~ 50ns, distortion ~5ns, Versatz ca. 1 ...3ns
Isolation Voltage	Min. 2500V
Response time	Host: USB-B Device/Secondary: USB-A
Size (mm)	92 x 55 x 28mm
Case	Ip40, class2

USB Connectors

The most popular connector types for USB:



USB Type A Connector

Normally on PC/Hub side



USB Type B Connector

Normally on USB device side

Designed and Manufactured by:

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