

# UNIVERSAL INTERFACE-CONVERTER

## for RS485/CAN or RS485/RS485 protocol conversion

### Universal Protocol Converter

The RS485/CAN-Gateway is a compact size converter for OEM applications. It is designed for updating existing systems with new components and peripherals. Frequency converters, servo amplifiers, actuators, or sensors of existing systems can be replaced by new technology devices without any adaptation or modifications in existing bus protocols or PLC software.

### Multi Interface Channels

The RS485/CAN-Gateway offers two RS485 plus one CAN interface. This allows two kinds of bus connections and protocol conversions:

- ◆ RS485 <-> RS485
- ◆ RS485 <-> CAN

### Opto-isolated Interfaces

The second RS485 interface and the CAN are opto-isolated versus the first RS485. This ensures a high reliability by maximum independency of the bus input and output interfaces.

### Protocol Conversion inside

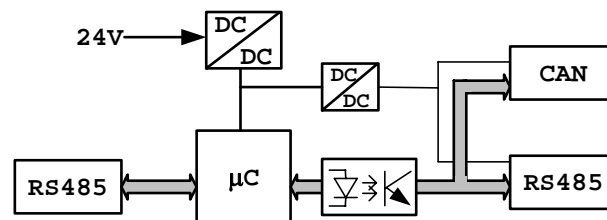
The kind of required protocol conversion is integrated ex factory. It is possible to implement standard protocols (e.g. CANopen, USS, VLT) or any customized protocol.

### Configuration

The bus configuration (e.g. bus ID or baudrate) is done by DIP switches according to actual system settings.



### Block diagram



### Features

- ◆ Supply voltage: 24V DC / approx. 100 mA
- ◆ Interfaces: 1 x RS485, 1 x RS485 (opto-isolated), 1 x CAN (opto-isolated)
- ◆ Configuration: 10 DIP switches
- ◆ LEDs: 1 x Power, 2 x Status (red / green)

### Industry-proved design

- ◆ Compact housing: Phoenix Mecano Bopla Alurail 105 x 87 x 35 mm
- ◆ Quick & easy Mounting: Snap-on for DIN rails
- ◆ Industry type connectors: Tension spring clamps
- ◆ Environmental conditions: 0 ... +40 °C operation, -20 ... +85 °C storage