# Expert Opto Bridge 0400 / 0404

Interface isolators for RS232 and USB



**Expert Opto Bridge 0400**: Optical bridge for RS232



**Expert Opto Bridge 0404**: USB-/RS232 converter with galvanic interface isolation

## Expert Opto Bridge 0400

### Features

- Overvoltage protection by galvanic isolation
- Isolation voltage max. 2500 V
- Serial input voltage
  -15 V to -6 V for logical 1
  +15 V to +6 V for logical 0
- Data transfer rate up to 115.200 Baud
- Easy installation without drivers
- In addition to the data lines (receiver and transmitter lines), two handshake lines are supported in both directions
- Developed and manufactured in Germany

### Electrical Connections

- Sub-D socket (25-pin) for RS232 (V.24)
- Sub-D plug (25-pin) for RS232 (V.24)
  (power supply of serial ports by attached devices)

### Technical Details

- Plastic case, LxHxD: 62 x 17 x 54 mm
- Weight: ca. 45 g
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

## Expert Opto Bridge 0404

### Features

- Overvoltage protection by galvanic isolation
- Isolation voltage max. 2500 V
- Serial input voltage
  -15 V to -6 V for logical 1
  +15 V to +6 V for logical 0
- Data transfer rate up to 115.200 Baud
- Easy installation through virtual COM port
- In addition to the data lines (receiver and transmitter lines), two handshake lines are supported in both directions (RTS/CTS)
- For Windows and Linux systems (from Kernel 2.6)
- LED status monitor for RxD, TxD
- Developed and manufactured in Germany

### Electrical Connections

- Serial interface RS232 Sub-D plug (9-pin) for device connection (power supply through USB interface)
- Cable with USB-A plug for PC connection
- USB 2.0 full speed (12 Mbit/s)

### Technical Details

- Plastic case, LxHxD: 77 x 24 x 42 mm
- Weight: ca. 55 g
- Cable length: ca. 40 cm
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

| Order Code | Product | Feature | Operating Voltage |
|---|---|---|---|
| 0400 | Expert Opto Bridge 0400 | Interface isolator serial/serial | Power supply of serial ports by attached devices |
| 0404 | Expert Opto Bridge 0404 | Interface isolator USB/serial | through USB interface |