

...the broadest narrowband money can buy



Optoisolators

OPI serve for optically and galvanically isolating RS232 interface signal conductors (OPI200), or for converting RS232 interface signals to RS422 or RS232 to RS485 (OPI400) as well as optically and galvanically isolating them.



Typical areas of use

- **Optical and galvanic isolation** of the interfaces of all MORSE system components, or other devices
- **Interface conversion** RS232 to RS422, or RS485

Benefits

- Supply voltage **5–30 V**
- **Protection of data lines against over-voltage**
- Indication LED for data conductors
- Indication LED for supply voltage
- Speed up to **250 kbps**
- Switching the direction of communication on the RS485 line done automatically or with an external signal with an arbitrary polarity
- Termination and definition of the idle state of the RS485 line done with internal switches

Technical parameters

Transfer speed	max. 250 kbps
Configurable speed for automatic switching of Tx-Rx on RS485	1 200, 2 400, 9 600, 19 200, 38 400, 115 200 bps
MTBF (mean time between failures)	> 100 000 hours
Power supply	5–30 V
Consumption	max. 30 mA (OPI200)
	max. 80 mA (OPI400)
Range of operating temperatures	-25 to +55 °C
Dimensions	23 × 75 × 102 mm
Weight	0,08 kg

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