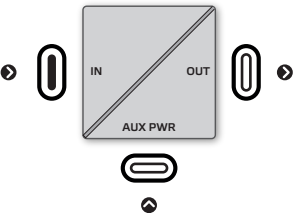




USB ISOLATOR



OPERATION

Using the isolator does not require installation of any drivers.

OM USB.C-ISO

- USB 2.0
- Galvanic separation: 1 kVAC
- Rate: 1.5 / 12 / 480 Mbit/s
- External power supply option
- Compact design

Galvanic isolator for USB-C interface

The OM USB C-ISO provides reliable galvanic isolation of the USB 2.0 data line in all modes: Low Speed, Full Speed, and High Speed. The transmission speed automatically adapts according to the connected devices, so no manual setup is necessary. The isolator effectively suppresses interference and prevents ground loops between devices. It also increases protection against electrostatic discharge.

For easy connection to a USB-A port, a USB-A/USB-C adapter is included in the package. Please note the power output of USB-A port may not be sufficient to power devices on the USB-C output side. If this is the case, an external power supply can be connected to the side USB-C connector. This boosts the power output and ensures a stable operation of the connected device.

TECHNICAL DATA

FUNCTION

Connection with PC	
Type	USB 2.0
Rate	15 / 12 / 480 Mbit/s <i>Low Speed / Full Speed / High Speed</i>
Connection	connector USB-C <i>USB-A/USB-C adapter is included in the package</i>
USB output	
Type	USB 2.0
Rate	15 / 12 / 480 Mbit/s <i>Low Speed / Full Speed / High Speed</i>
Connection	connector USB-C
Load	3 W when powered only from the input 10 W with external power booster or depending on the output of the external power supply
Signalling	
Type	color LED in transducer
USB	green indication of power supply from USB
Power	green indication of active output

POWER SUPPLY

Directly from USB	5 VDC/600 mA, powered from USB
External	5 VDC/2 A, powered by the side USB-C connector (PWR)

MECHANIC PROPERTIES

Material	PC, incombustible UL 94 V-0, blue
Dimensions	50 x 24 x 14 mm (w x h x d)

OPERATING CONDITIONS

Connection	USB-C
Working temperat.	0°...60°C
Storage temperat.	-10°...85°C
Working humidity	< 95 % r.v., non condensing
Protection	IP00
ESD	15 kV
Dielectric strength	3 kVAC per 1 min test between input and output
Galvanic separation	1 kVAC
RoHS	EN IEC 63000:2018

CONNECTION

ORDER CODE

OM USB.C-ISO

