

Interface converter WK107USB



- For connecting an RS485 network to a USB port
- Speed from 1,200 bps to 250 Kbps
- Compatible with USB1.1 and 2.0 standards
- Driver for Windows 98, 2000 and XP
- Galvanic isolation up to 1,500 V
- DIN rail mounting
- Slim 6.2 mm housing
- Suitable for the WK series

<https://www.wachendorff-prozesstechnik.de/en/WK107USB>

Description

The WK107USB converter is an aid for communication between USB and a serial interface. The WK107USB works as a USB / RS485 converter with galvanic isolation. The device is fully set via DIP switches and is immediately ready for operation. The WK107USB is simply snapped onto a DIN rail for installation.

Product details

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|---------------|---|
| Input/output: | USB / RS485. |
| Connections: | Spring terminals from 0.2 to 2.5 mm ² and MINI-USB-B Connections: Terminal 1: RS485 Terminal 5: T1 Terminator A(+) Terminal 2: RS485 B(-) Terminal 3: RS485 shielding Terminal 6: T2 Terminator Mini USB : Input from PC |
| Interfaces: | USB: USB 1.1 and USB 2.0 MINI-USB-B socket on the front RS485: Differential voltage at the output: max. ±5.0 VDC (without load) Differential voltage at the input: max. ±5.0 VDC. Logic 1: < -0.2 VDC Logic 0: > +0.2 VDC Maximum cable length: 1200 m. |
| Baud rate: | Min. 1,200 baud, max. 115,200 baud Switch-off time: after 1 character depending on the baud rate. |
| Indicators: | 3 LEDs for power supply, signal transmission, signal reception, status |
| Speed: | 1,200 bps to 250 kbps configurable via DIP switch. |
| Settings: | DIP switch |
| Isolation: | RS232 / RS485 / power supply 1500 VAC between each other (3-way) NOTE: The maximum working voltage between all terminals and earth must be less than 50 VAC / 75 VDC. |
| Display: | 3 status LEDs for supply, Rx and Tx. |
| Supply: | 19.2 VDC to 30 VDC, max. 0.5 W via the USB port of the PC. |

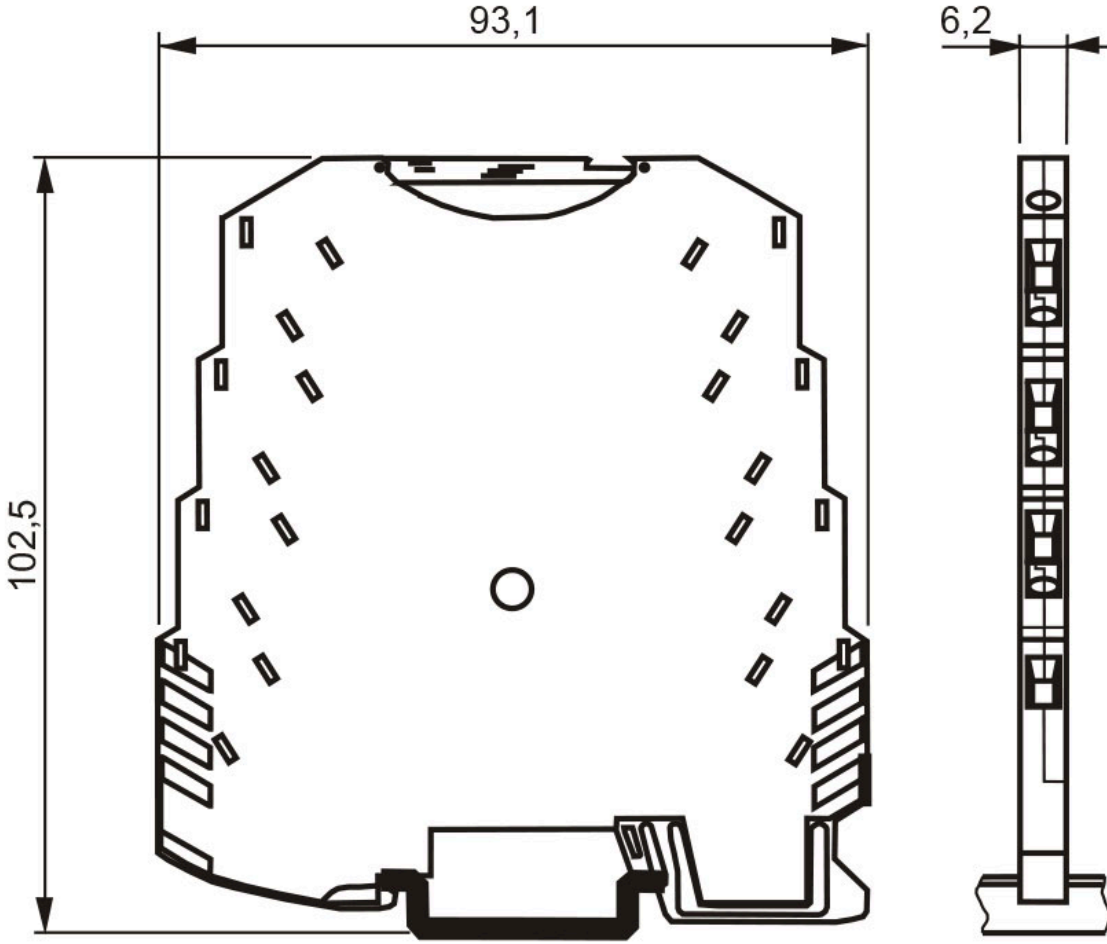
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| Short-circuit resistance: | 1,500 VAC between input, supply and output in all directions |
| Electromagnetic compatibility CE compliant: | <ul style="list-style-type: none"> • Short-circuit resistance: EN 60742 (1,500 VAC) • Interference emission: EN 50 081-2 • Interference immunity: EN 50 082-2 • Protection: EN 61010-1 |
| Driver software: | Compatible with Windows 98, 2000 and XP. |
| Protection class: | IP20 |
| Ambient conditions: | Working temperature: 0 °C to +55 °C Storage temperature: -30 °C to +70 °C 30 % to 90 % relative humidity at 40 °C |
| Dimensions (W x H x D): | 6.2 mm x 102.5 mm x 93.1 mm |
| Assembly: | 35 mm DIN rail |
| Housing: | Sturdy PBT plastic housing |
| Approvals: | CE, UL-CSA Notes for UL: Use in environments with pollution degree 2 or less. The power supply unit must belong to class 2. |
| Weight: | approx. 50 g |
| Scope of delivery: | Device, USB cable, operating instructions |
| Manufacturer: | Seneca s.r.l., Italy |

Products Order no.

| | |
|----------|---|
| WK107USB | RS485 / USB interface converter with galvanic isolation |
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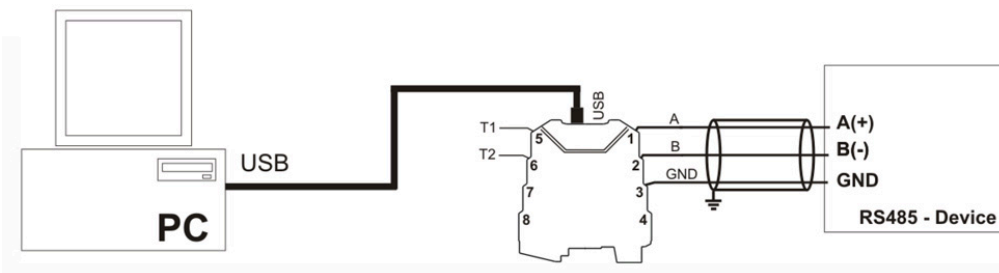
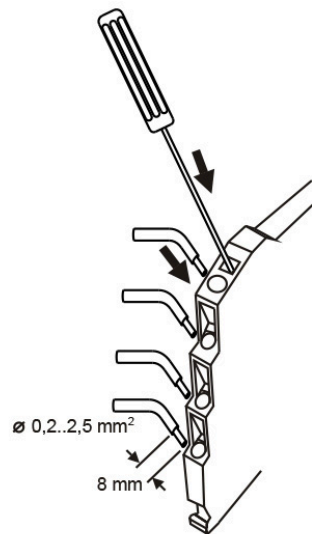
Drawings

Dimensions in mm



Drawings

Connection via spring terminals



Anschlussmöglichkeiten

Anschlüsse:

- Klemme 1: RS485 A(+)
- Klemme 2: RS485 B(-)
- Klemme 3: Schirmung RS485
- Klemme 5: T1 Terminator
- Klemme 6: T2 Terminator
- Mini USB : Eingang vom PC



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