

## Gateway Modbus TCP Server / Modbus RTU Master HD67507-XX-XXX



Abbildungen ähnlich

- 1x 10/100BaseT; automatic detection for Modbus TCP
- Configurable gateway with SW67507
- Galvanic 3-way isolation between serial/Ethernet and power supply
- Bidirectional data exchange between Modbus RTU and Modbus TCP
- High temperature range from -40 °C to +85 °C
- Transmission of project planning via Ethernet

<https://www.wachendorff-prozesstechnik.de/HD67507-XX>

### Description

The configurable gateway HD67507-XX-XXX enables communication between a serial and an Ethernet-based Modbus system. The gateway can be used either as a transparent gateway or as a data converter with an adjustable translation table. As a Modbus RTU master, the gateway can independently acquire data from several participants and make it available to a higher-level system. Of course, data can also be transmitted in the opposite direction. Transferring the gateway configuration using the SW67507 software via the RS232 interface and the Ethernet port is very quick and easy. The top-hat rail mounting and the removable screw terminals (HD67507-A1) ensure quick and safe installation as well as problem-free wiring of the device.

### Product details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces:        | <p>HD67507-A1:<br/>1x Ethernet port (RJ45 socket)<br/>1x RS232 (Sub-D plug, 9-pin)<br/>1x RS485 (removable screw terminal, 3-pin)</p> <p>HD67507-B2:<br/>1x Ethernet port (RJ45 socket)<br/>1x RS232 (Sub-D plug, 9-pin)<br/>1x RS485 (screw terminal, 3-pin)</p> <p>HD67507-Slim-232:<br/>1x Ethernet port (RJ45 socket)<br/>1x RS232 (screw terminal, 3-pin)</p> <p>HD67507-Slim-485:<br/>1x Ethernet port (RJ45 socket)<br/>1x RS485 (screw terminal, 3-pin)</p> |
| Serial data rate:  | Max. 12 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LED:               | <p>HD67507-A1:<br/>4x signal display for supply and communication</p> <p>HD67507-B2 and HD67507-Slim-XXX:<br/>5x signal display for supply and communication</p>                                                                                                                                                                                                                                                                                                    |
| Supply:            | <p>HD67507-XX-XXX:<br/>12 to 35 VDC, 3.5 Watt<br/>8 to 24 VAC, 3.5 VA, 50/60 Hz</p>                                                                                                                                                                                                                                                                                                                                                                                 |
| Power consumption: | 3.5 Watt / VA                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                           |                                                                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Software:                 | Free configuration software SW67507 for parameterization of the device                                                                                                                                       |
| Supported function codes: | Fully transparent                                                                                                                                                                                            |
| Operating temperature:    | -40°C to +85°C                                                                                                                                                                                               |
| Housing:                  | Previous housing: PVC<br>New housing: PC-ABS                                                                                                                                                                 |
| Dimensions (WxHxD)        | <p>HD67507-A1:<br/>Previous housing: 23 mm x 107 mm x 120 mm<br/>New housing: 22.5 mm x 90.7 mm x 123 mm</p> <p>HD67507-B2:<br/>71 mm x 95 mm x 60 mm</p> <p>HD67507-Slim-XXX:<br/>35 mm x 95 mm x 60 mm</p> |
| Weight:                   | approx. 200 g                                                                                                                                                                                                |
| Fastening:                | Mounting on the DIN rail                                                                                                                                                                                     |
| Note:                     | <b>The article description should always be viewed from the perspective of the gateway.</b>                                                                                                                  |
| Customs tariff number:    | 8517 62 00                                                                                                                                                                                                   |
| Manufacturer:             | ADFweb.com S.r.l.                                                                                                                                                                                            |

### Products Order no.

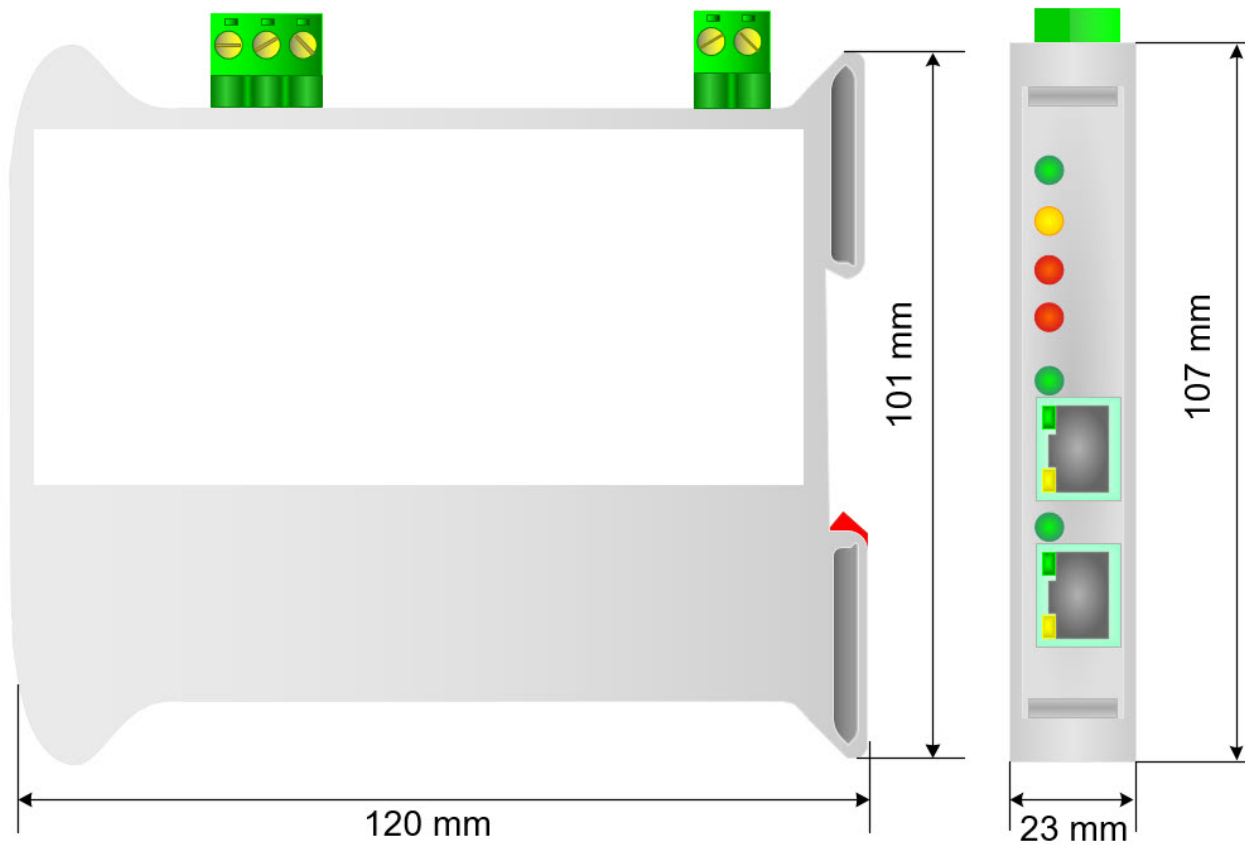
|                  |                                                       |
|------------------|-------------------------------------------------------|
| HD67507-A1       | Gateway Modbus TCP Server (Slave) / Modbus RTU Master |
| HD67507-B2       | Gateway Modbus TCP Server (Slave) / Modbus RTU Master |
| HD67507-Slim-232 | Gateway Modbus TCP Server (Slave) / Modbus RTU Master |
| HD67507-Slim-485 | Gateway Modbus TCP Server (Slave) / Modbus RTU Master |

### Accessories Order no.

|          |                                                                                  |
|----------|----------------------------------------------------------------------------------|
| DRS4-24A | Power supply unit for top-hat rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal  |
| AMR4-24  | DIN rail power supply unit for building automation, 90 to 264 VAC, 24 VDC, 2.5 A |
| KABETH10 | Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m                                    |
| KABETH11 | Patch cable, RJ45 UTP CCA, CAT5e white, 1 m                                      |
| KABETH12 | Patch cable, RJ45 UTP CCA, CAT5e white, 2 m                                      |
| AC34107  | Null modem cable, socket/socket, 3 m long                                        |

**Drawings**

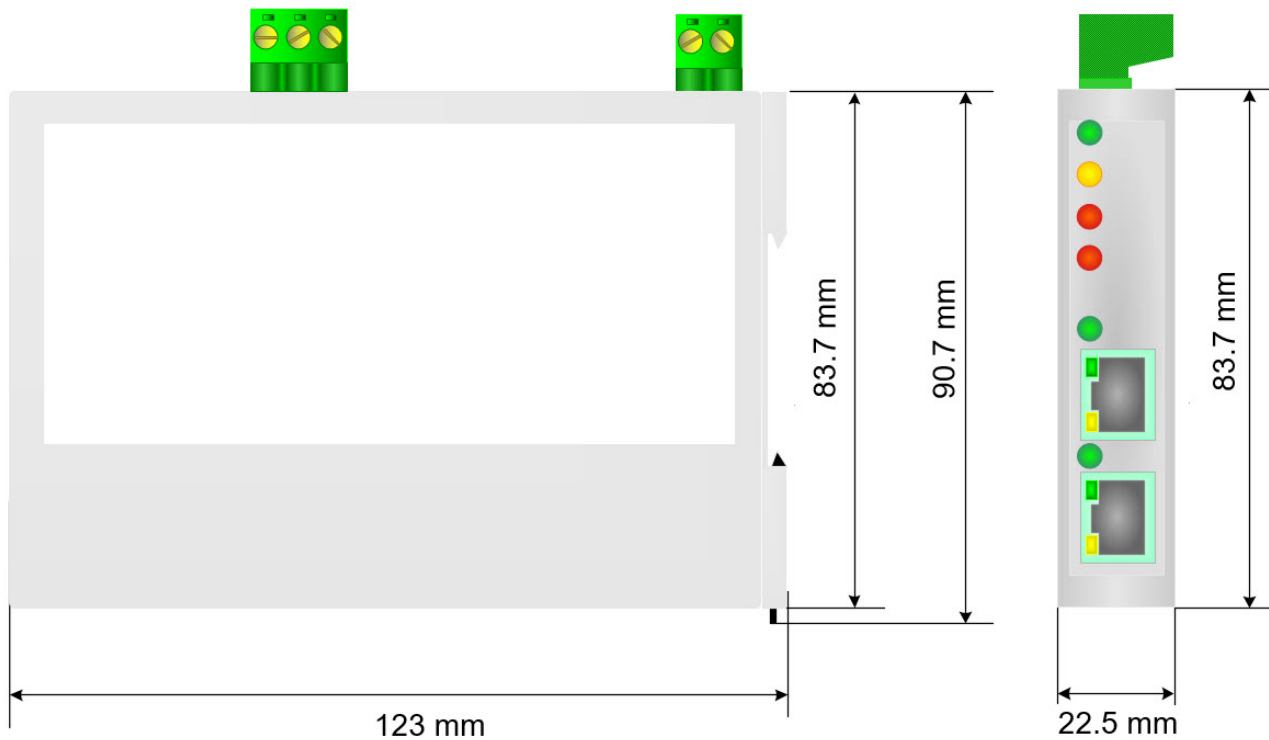
**Dimensions HD67507-A1 (previous housing)**



Gehäuse: PVC  
Gewicht: ca. 200g

**Drawings**

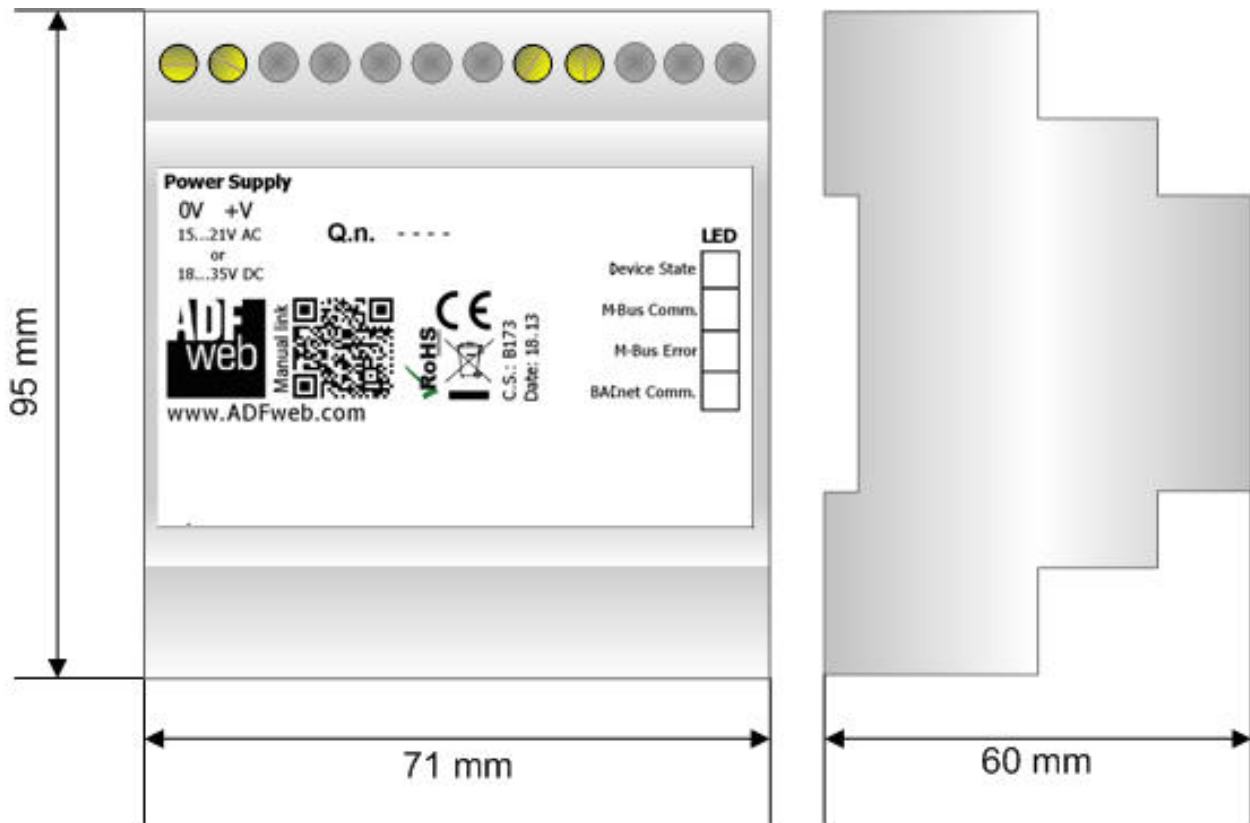
**Dimensions HD67507-A1 (new housing)**



Gehäuse: PC-ABS  
Gewicht: ca. 200g

Drawings

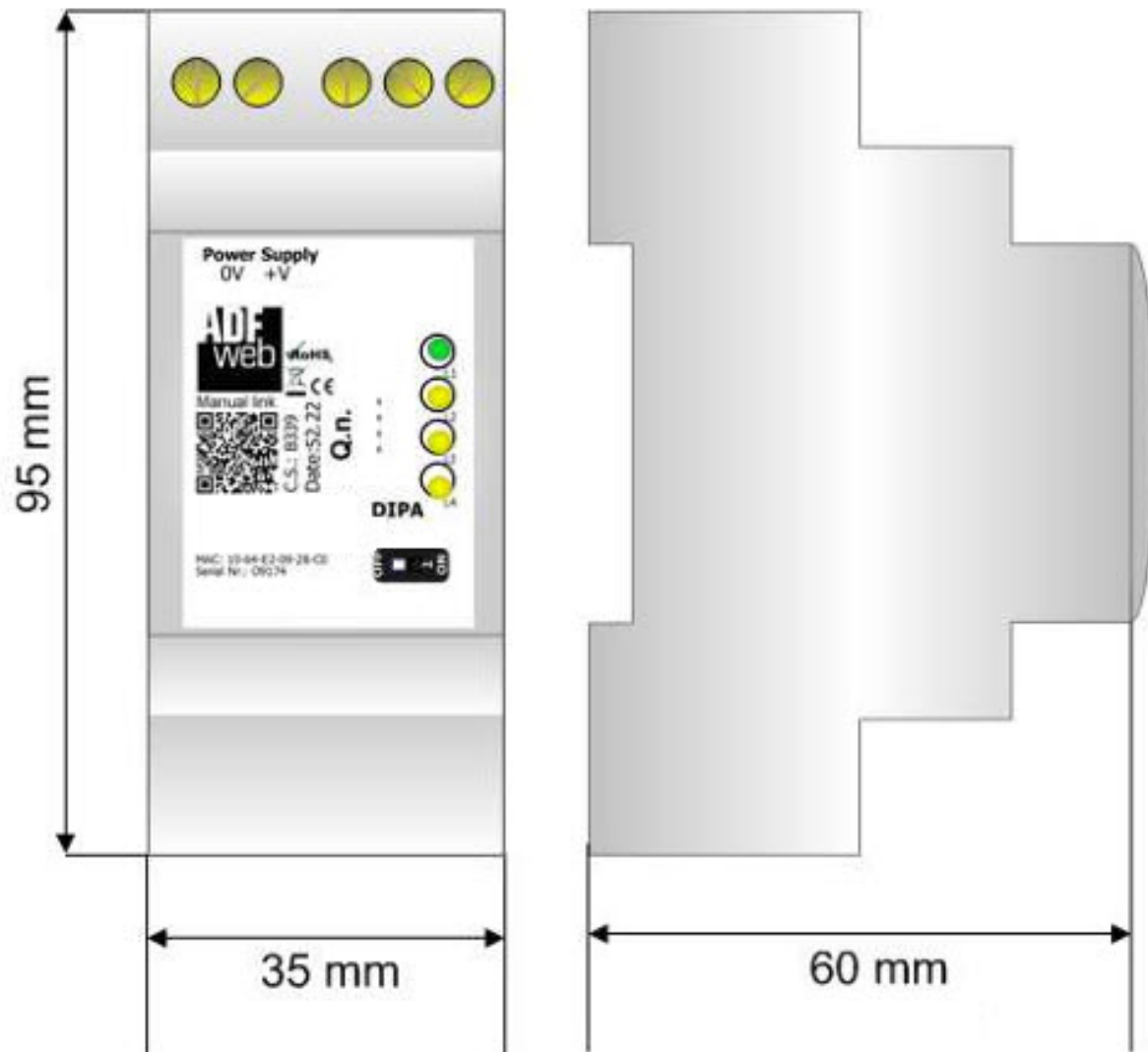
Dimensions HD67507-B2



Gehäuse: PVC  
Gewicht: 200g (ca.)

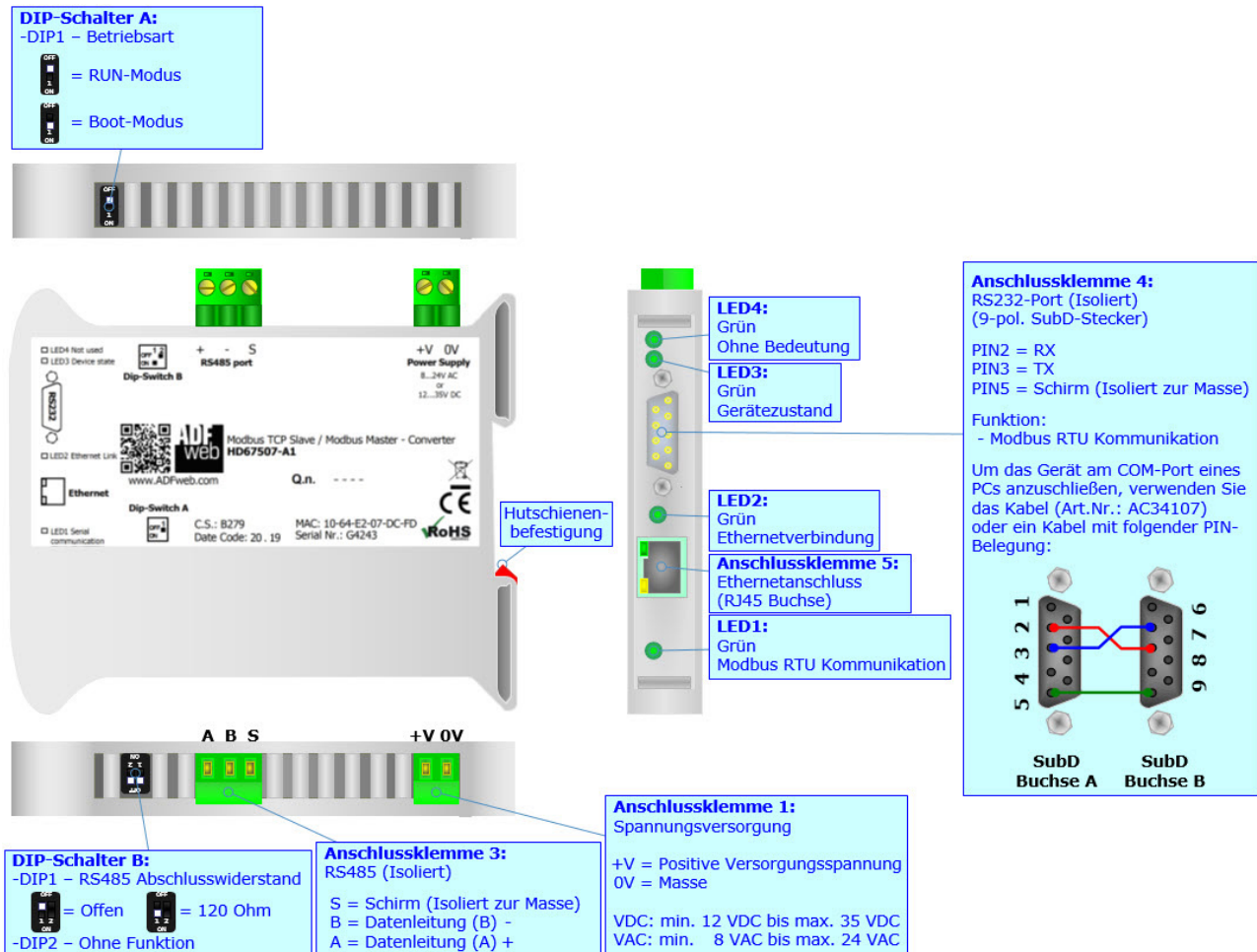
Drawings

Dimensions HD67507-Slim-XXX



## Drawings

### Connection diagram HD67507-A1



## Drawings

### Connection diagram HD67507-B2

#### DIP-Schalter A:

- DIP1 – Muss Auf ON stehen
- DIP2 – Betriebsart



= RUN-Modus



= Boot-Modus

#### DIP-Schalter B:

- DIP1 – RS485 Abschlusswiderstand



= Offen



= 120 Ohm

- DIP2 – Ohne Funktion

#### Anschlussklemme 3:

RS485 (Isoliert)

S = Schirm (Isoliert zur Masse)  
B = Datenleitung (B) -  
A = Datenleitung (A) +

#### Anschlussklemme 4:

RS232-Port (Isoliert)  
(9-pol. SubD-Stecker)

PIN2 = RX

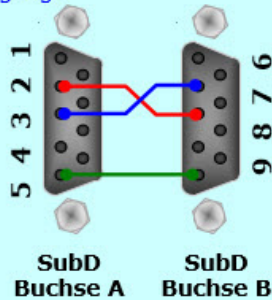
PIN3 = TX

PIN5 = Schirm (Isoliert zur Masse)

Funktion:

- Modbus Kommunikation

Um das Gerät am COM-Port eines PCs anzuschließen, verwenden Sie das Programmierkabel AC34107 oder ein Kabel mit folgender PIN-Belegung:

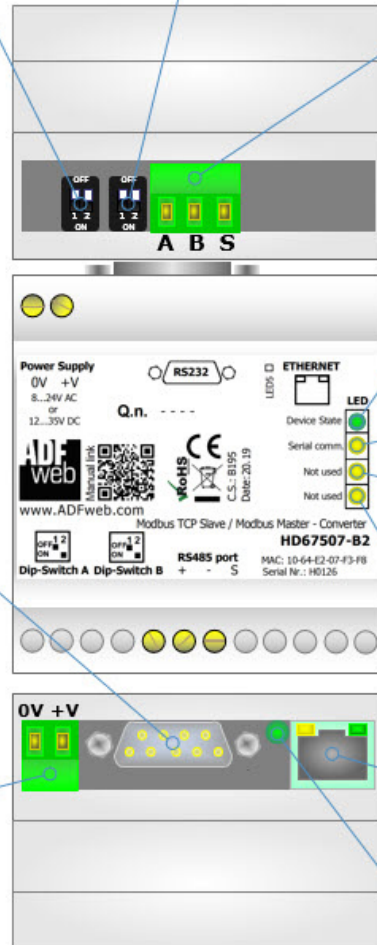


#### Anschlussklemme 1:

Spannungsversorgung

+V = Positive Versorgungsspannung  
0V = Masse

VDC: min. 12 VDC bis max. 35 VDC  
VAC: min. 8 VAC bis max. 24 VAC



#### LED3:

Grün  
Gerätezustand

#### LED1:

Gelb  
Serielle Kommunikation

#### LED4:

Gelb  
Ohne Bedeutung

#### LED5:

Gelb  
Ohne Bedeutung

#### Anschlussklemme 5:

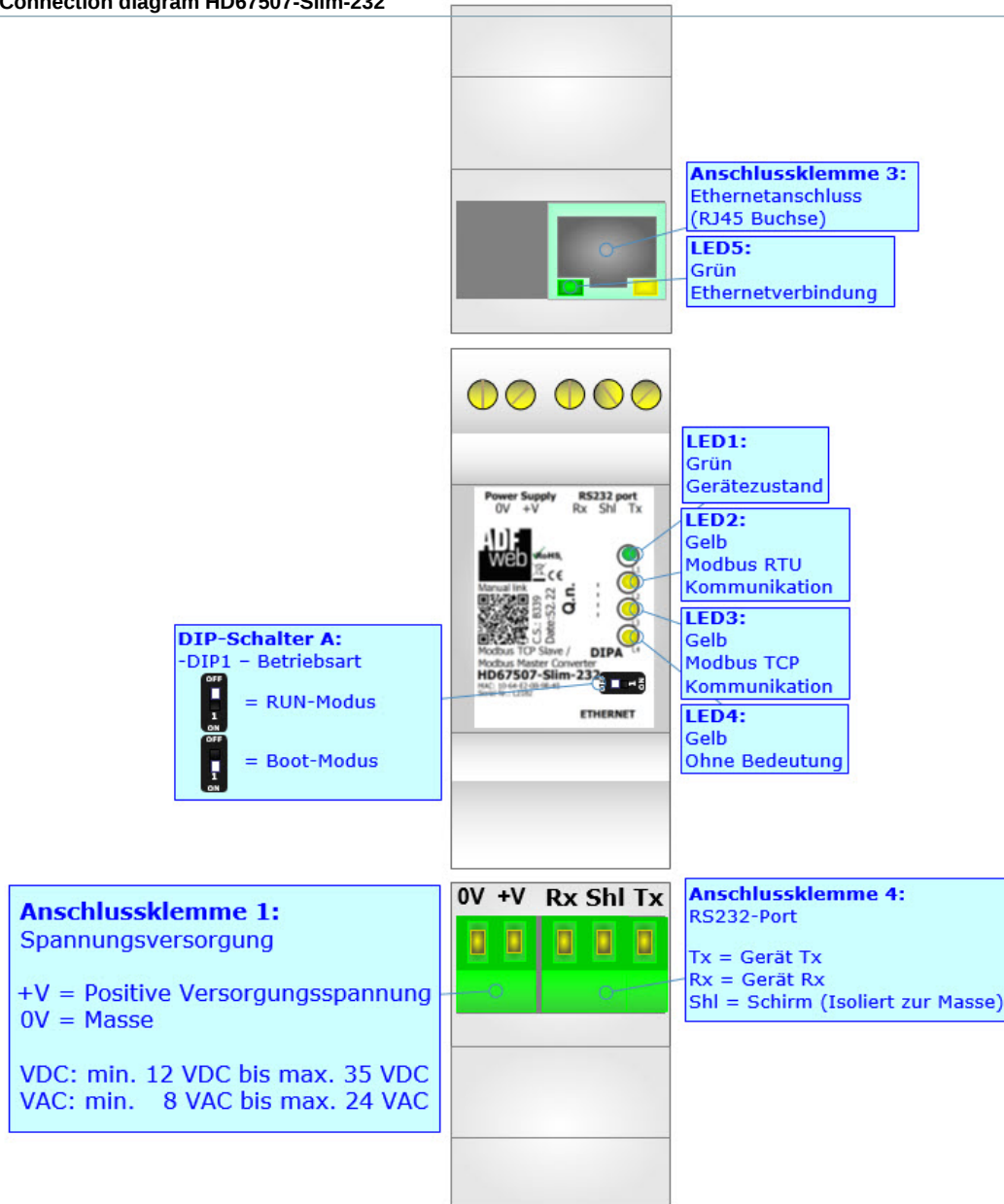
Ethernetanschluss  
(RJ45 Buchse)

#### LED2:

Grün  
Ethernetverbindung

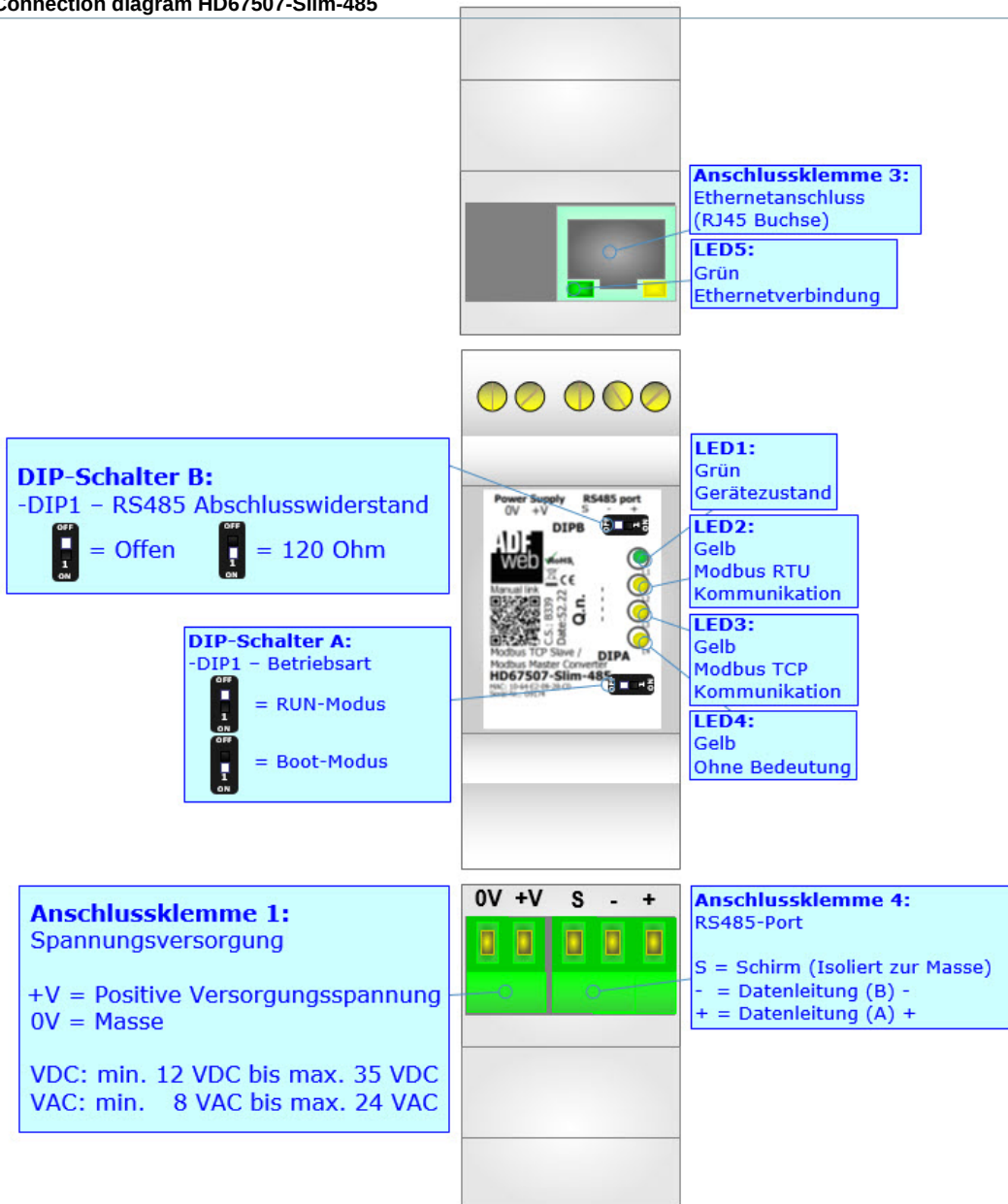
## Drawings

### Connection diagram HD67507-Slim-232



## Drawings

### Connection diagram HD67507-Slim-485





Wachendorff Prozesstechnik GmbH & Co. KG  
Industriestrasse 7 • 65366 Geisenheim  
Germany

Phone: +49 (0) 67 22 / 99 65 - 20  
E-Mail: [wp@wachendorff.de](mailto:wp@wachendorff.de)  
[www.wachendorff-prozesstechnik.de](http://www.wachendorff-prozesstechnik.de)

