

## Level converter M-Bus / RS232/RS485 HD67021-HD67022



Abbildung ähnlich

- Level converter for direct M-Bus connection
- Galvanic isolation between M-Bus / RS232/RS485 and power supply
- High temperature range from -40 °C to +70 °C
- Up to 80 M-Bus devices can be connected
- Baud rate and parity easily adjustable via the software

<https://www.wachendorff-prozesstechnik.de/en/HD67021-HD67022>

### Description

The HD67021 level converter enables communication between an M-Bus master and a serial RS232 interface. The HD67022 level converter enables communication between an M-Bus master and a serial RS485 interface. The M-Bus protocol properties are not affected. Transferring the configuration of the gateway by software via the Ethernet port is very quick and easy. The DIN rail mounting and the screw terminals ensure quick and safe installation as well as problem-free wiring of the device.

### Product details

Interfaces:	HD6702X-B2-20/40/80: 1x Ethernet port (RJ45 socket) 1x M-Bus (screw terminal, 2-pin) 1x RS232 (SUB-D9 plug) HD67021-B2-20/40/80 1x RS485 (screw terminal, 3-pin) HD67022-B2-20/40/80
Data rate M-Bus:	Max. 38,400 bps
Serial data rate:	Max. 115,200 bps
Galv. separation:	>2,000 VDC
LED:	Up to 5x signal display for supply and communication
Supply:	18 to 35 VDC or 15 to 21 VAC, 50/60 Hz
Power consumption:	HD67021-B2-20/ HD67022-B2-20: 3.5 Watt / VA (without load), 4 Watt / VA (with load) HD67021-B2-40/ HD67022-B2-40: 3.5 watts / VA (without load), 5 watts / VA (with load) HD67021-B2-80/ HD67022-B2-80: 3.5 watts / VA (without load), 8 watts / VA (with load)
Software:	Free configuration software SW67021 / SW67022 for parameterizing the parameterization of the device.
Operating temperature:	-40 °C to +70 °C
Humidity:	10% to 80% , non-condensing.
Housing:	PVC

Dimensions (WxHxD): HD67021-B2-20/40/80:  
71 mm x 95 mm x 60 mm

HD67022-B2-20/40/80:  
71 mm x 95 mm x 60 mm

Weight: approx. 200 g

Fastening: Mounting on the DIN rail.

Customs tariff number: 8517 62 00

Manufacturer: ADFweb.com S.r.l.

### Products Order no.

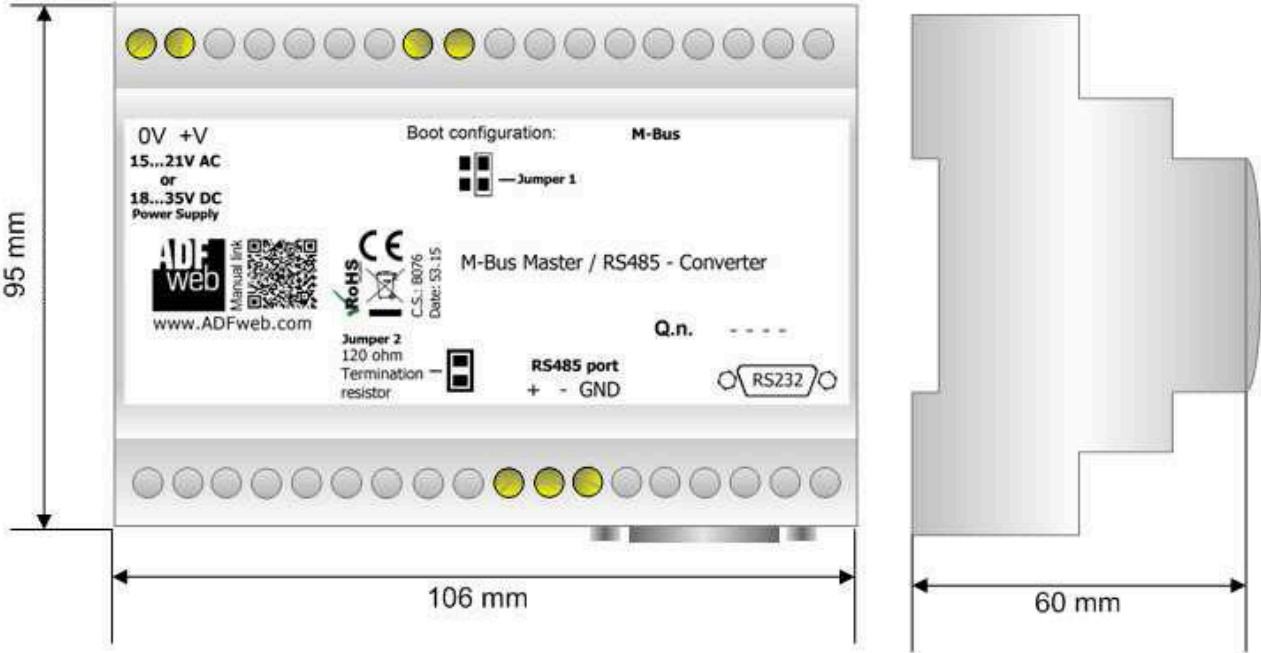
HD67021-B2-20	Level converter M-Bus master / RS232 - for up to 20 M-Bus slaves
HD67021-B2-40	Level converter M-Bus master / RS232 - for up to 40 M-Bus slaves
HD67021-B2-80	Level converter M-Bus master / RS232 - for up to 80 M-Bus slaves
HD67022-B2-20	Level converter M-Bus Master / RS485 - for up to 20 M-Bus slaves
HD67022-B2-40	Level converter M-Bus Master / RS485 - for up to 40 M-Bus slaves
HD67022-B2-80	Level converter M-Bus Master / RS485 - for up to 80 M-Bus slaves

### Accessories Order no.

AMR4-24	DIN rail power supply unit for building automation, 90 to 264 VAC, 24 VDC, 2.5 A
AC34107	Null modem cable, socket/socket, 3 m long

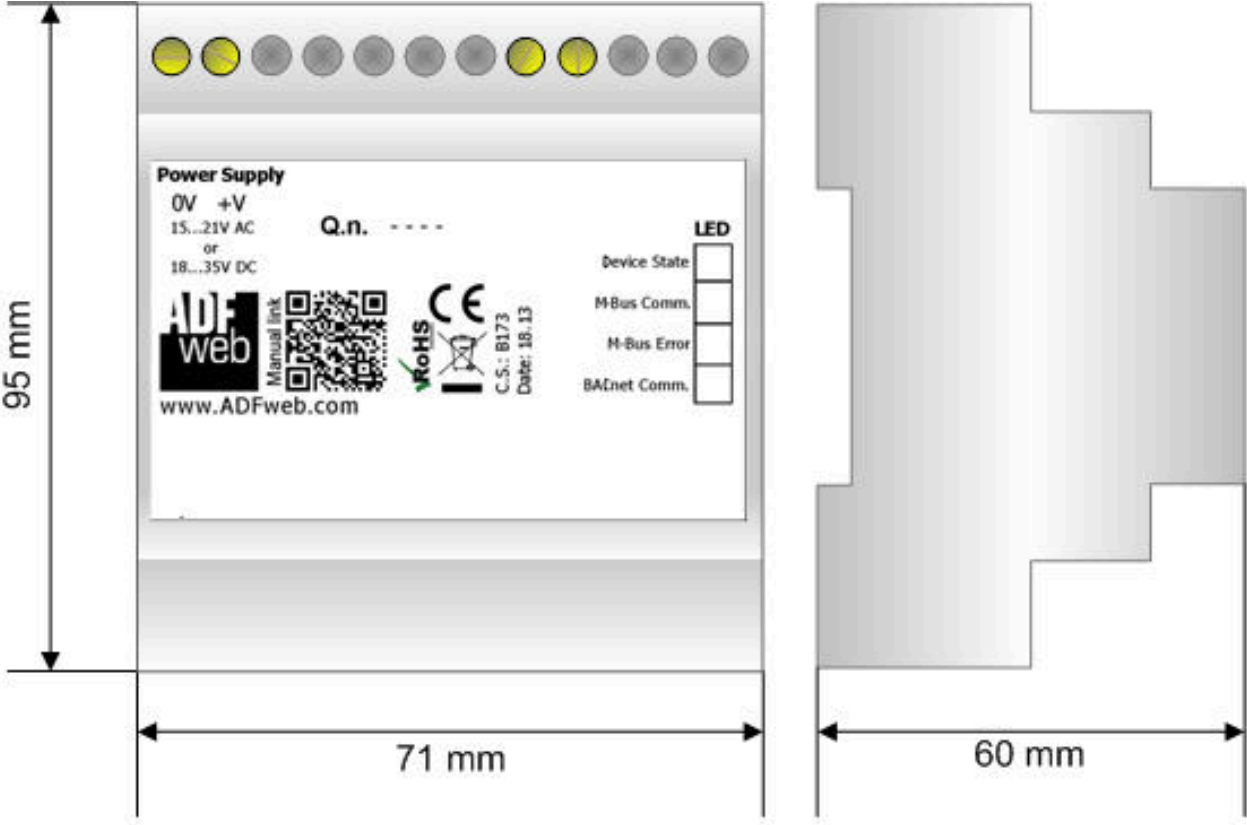
Drawings

Dimensions - HD67021M-20 / HD67022M-20



Drawings

Dimensions - HD6702X-B2-40/80



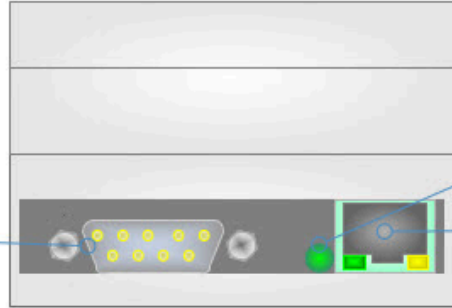
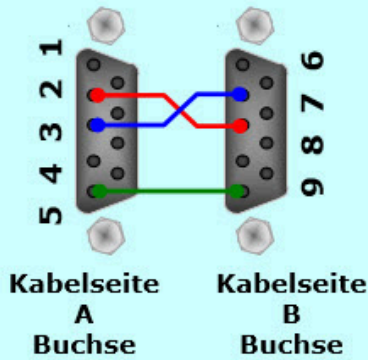
Gehäuse: PVC  
Gewicht: 200g (ca.)

Drawings

Connection diagram HD67021-B2-XXX

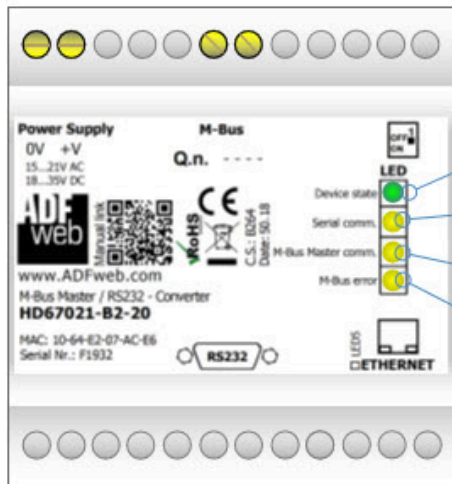
**Anschlussklemme 5:**  
RS232-Port

PIN2 = RX  
PIN3 = TX  
PIN5 = GND\*(Isoliert zur Masse)



**LED5:**  
Grün  
Ethernet Link

**Anschlussklemme 3:**  
Ethernet Port  
(RJ45)



**LED1:**  
Grün  
Geräte Status

**LED2:**  
Gelb  
Serial comm.

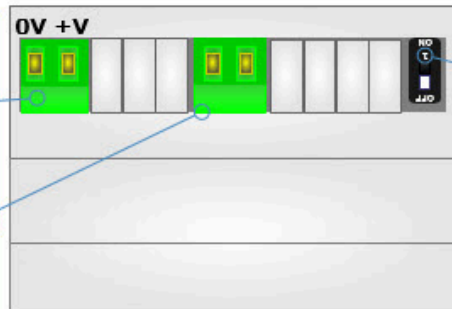
**LED3:**  
Gelb  
M-Bus comm.

**LED4:**  
Gelb  
M-Bus Error

**Anschlussklemme 1:**  
Anschluss für Spannungsversorgung

+V = Plus  
0V = Masse

VDC: min. 18 V bis max. 35 VDC  
VAC: min. 15 V bis max. 21 VAC



**Anschlussklemme 2:**  
M-Bus Master  
(unpolarisiert)

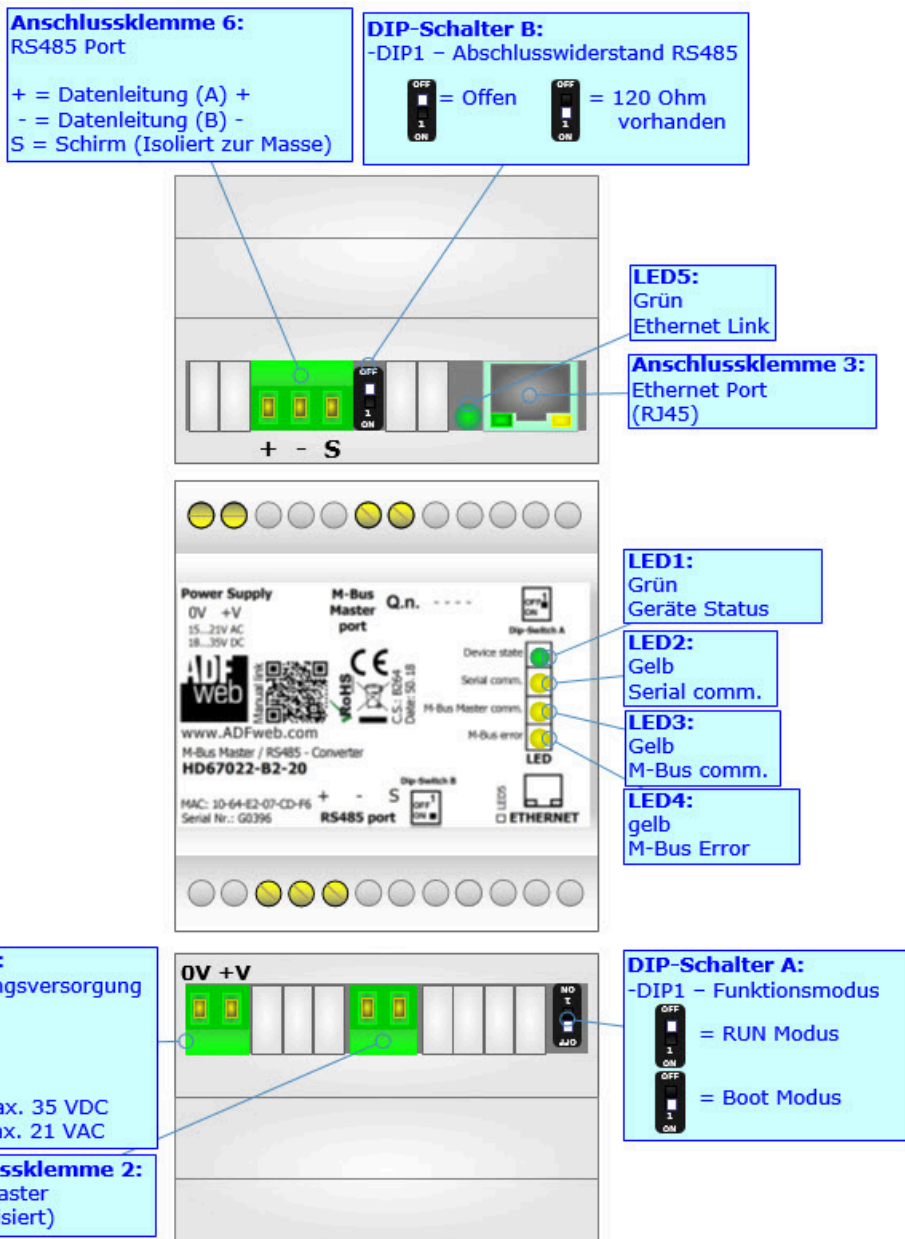
**DIP-Schalter A:**  
-DIP1 - Funktionsmodus

OFF  
1  
ON  
= RUN Modus

OFF  
1  
ON  
= Boot Modus

Drawings

Connection diagram HD67022-B2-XXX





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