CAN bus repeater for DeviceNet
HD67180

Abbildung ähnlich

- intended for professional use
- enables extension of a line segment
- galvanic isolation of the CAN branches
- Extension of the number of nodes
- Different transmission rates at CAN branches
- Protocol-independent

https://www.wachendorff-prozesstechnik.de/en/HD67180

Description

The HD67180 repeater solves your line extension problems and is ideal for galvanic isolation. It is suitable for use in motors and devices with electromagnetic interference. Suitable as a repeater in the following bus protocols: DeviceNet and complies with the generic standard ISO 11898. 16-bit microprocessor is used for internal data processing. Two-sided programming of the transmission rate is generally possible, whereby the maximum transmission rate is 1 Mbps (at 25 meters). Several devices can be inserted in the same network. DIN rail mounting and plug-in screw terminals ensure quick and safe installation and easy wiring of the device.

Product details

Interfaces:	2x DeviceNet (removable screw terminal, 3-pin)
Max. Distance:	5,000 m for 10 kbps 25 m for 1 Mbps
Possible baud rates:	10 Kbps, 20 Kbps, 50 Kbps, 100 Kbps, 125 Kbps, 250 Kbps, 500 Kbps, 800 Kbps, 1,000 Kbps 62.5 Kbps (not listed in the table)
Gal. separation:	1 KV
Standard:	ISO 11898
DIP switch:	8 pieces for setting the different baud rates.
LED:	3x signal display for supply and communication.
Supply:	10 VDC to 35 VDC, 4Watt 10 VAC to 19 VAC, 4 VA, 50/60 Hz
Operating temperature:	-40 °C to +85 °C
Humidity:	10 % to 80 % , non-condensing
CE conformity:	EN61000-6-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, ENV50204
EMC Directive:	EMC2004/108/CE
Dimensions (WxHxD):	23 mm x 107 mm x 120 mm
Weight:	approx. 200 g
Housing:	PVC
Fastening:	Mounting on the DIN rail
Customs tariff number:	8517 62 00
Manufacturer:	ADFweb.com S.r.l.

Products Order no.

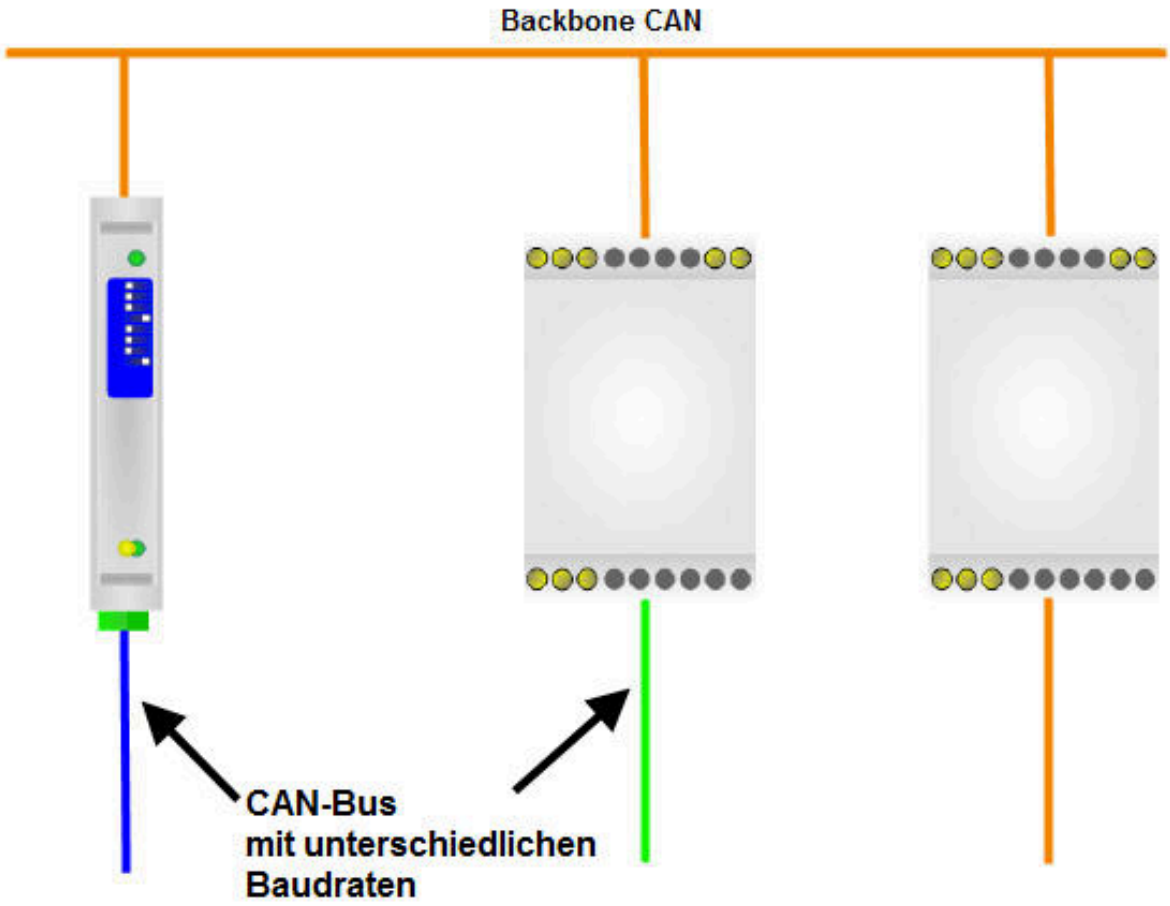
HD67180	CAN bus repeater for DeviceNet

Accessories Order no.

DRS4-24A	Power supply unit for DIN rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal
AC34107	Null modem cable, socket/socket, 3 m long

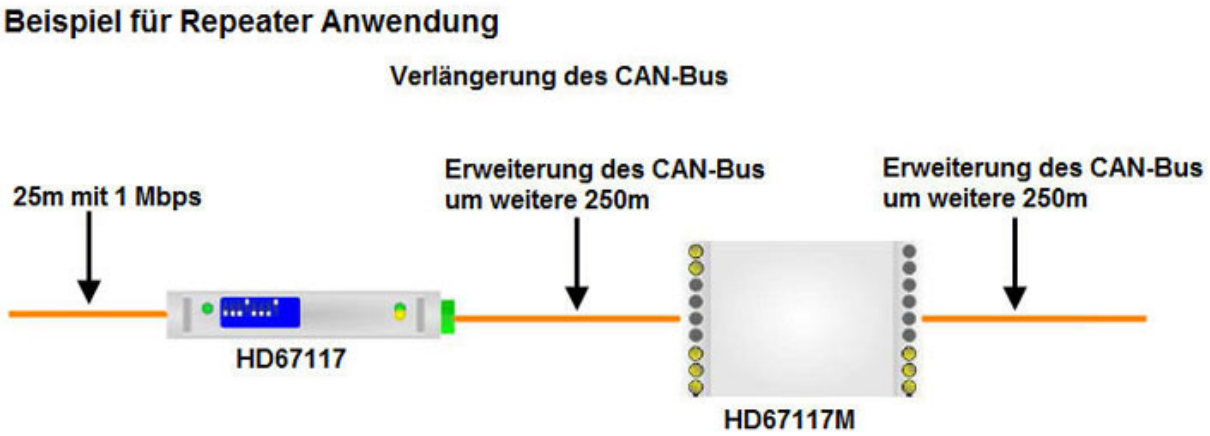
Drawings

Example application - Backbone CAN



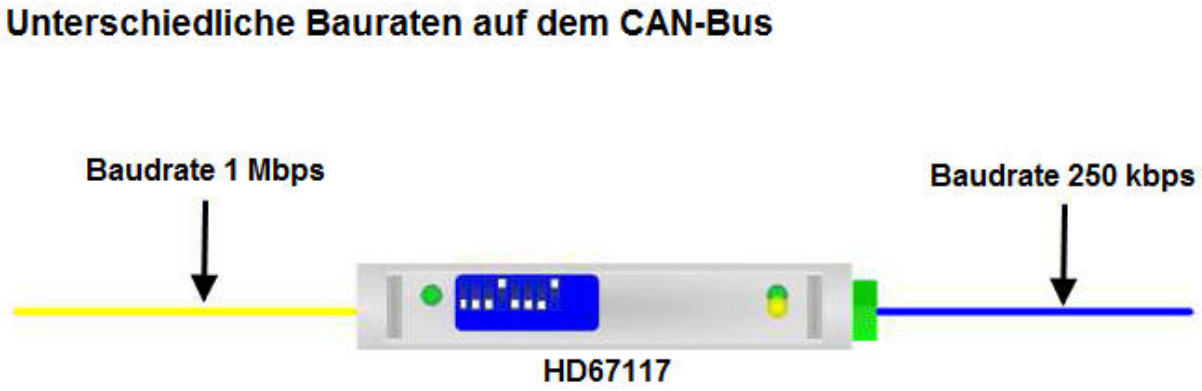
Drawings

Example application - Repeater application



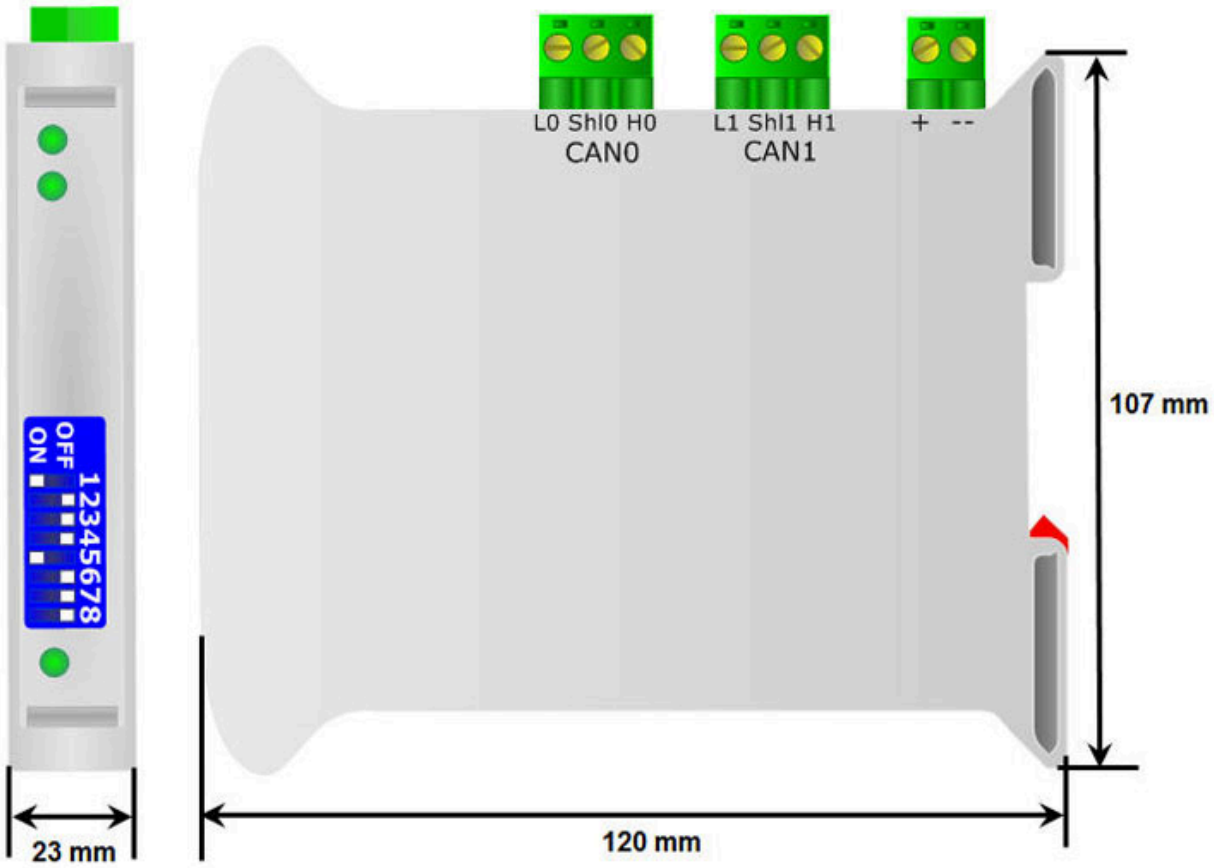
Drawings

Example application - Different baud rate on the CAN bus



Drawings

Dimensions HD67180



Drawings

Dimensions - Adjustable baud rate

Kabeleigenschaften:

Parameter	Beschreibung
DC-Parameter	Impedanz: 70 Ohm/m
AC-Parameter	Impedanz: 120 Ohm/m Verzögerung: 5 ns/m

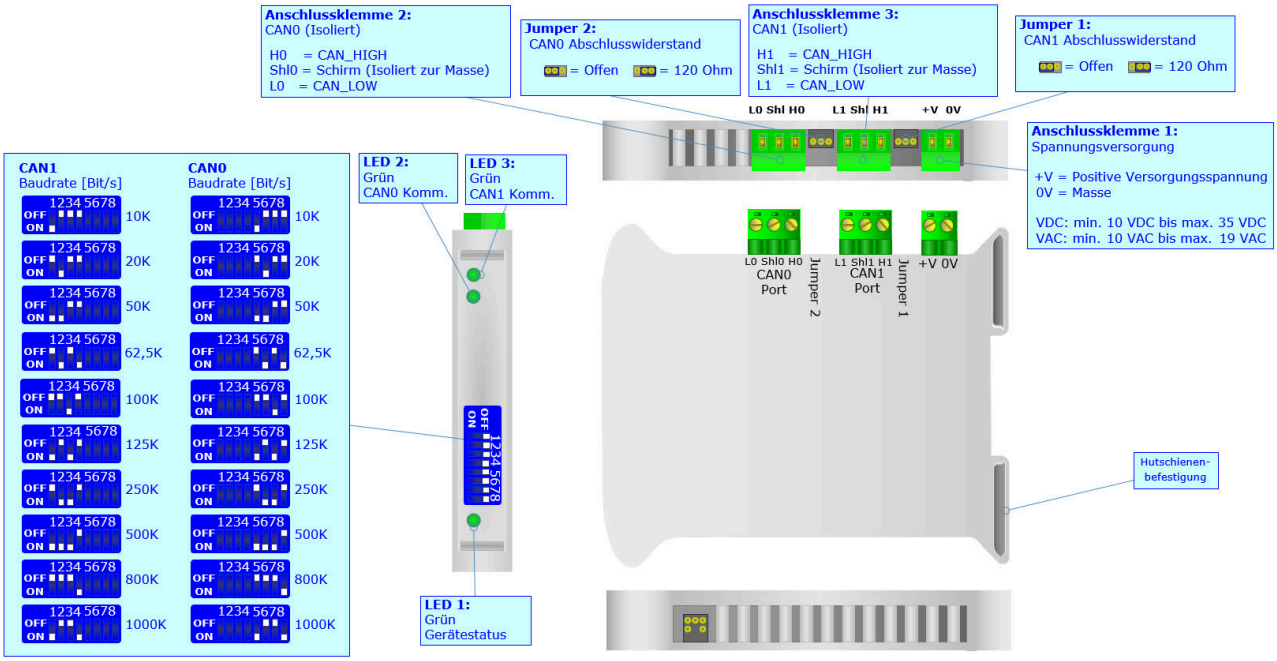
Max. Leitungslängen der Übertragungsraten	
Baudrate (kBit/s)	Max. Länge (m)*
10	5000
20	2500
50	1000
100	650
125	500
250	250
500	100
800	50
1000	25

*Glasfaser: max. 2000m bei allen Übertragungsraten

Einstellung und der Übertragungsraten					
CAN1 →	**DIP 1**	**DIP 2**	**DIP 3**	**DIP 4**	Baudrate
CAN0 →	**DIP 5**	**DIP 6**	**DIP 7**	**DIP 8**	(kBit/s)
(bei Variante FSX sind DIP 1 – DIP 4 ohne Funktion)	ON	OFF	OFF	OFF	10
	OFF	ON	OFF	OFF	20
	ON	ON	OFF	OFF	50
	OFF	ON	OFF	ON	62,5
	OFF	OFF	ON	OFF	100
	ON	OFF	ON	OFF	125
	OFF	ON	ON	OFF	250
	ON	ON	ON	OFF	500
	OFF	OFF	OFF	ON	800
	ON	OFF	OFF	ON	1000

Drawings

Connection diagram



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