



- § ISO 11898-2 compliant
- § Tree structure, star structure and branches possible
- § Dominant time-out function
- § Wide range of operating voltage:
12...50 VAC/VDC
- § Power supply and bus electrically isolated
- § Robust overvoltage protection
- § Short-circuit-proof

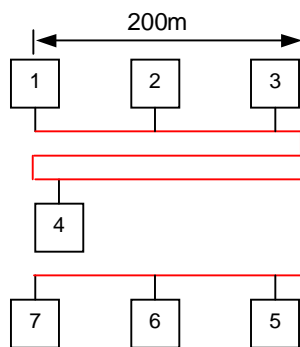


Technical data

Dimensions	H x W x D: 100 mm x 22.5 mm x 55 mm
Operating temperature	- 25°C ... + 60°C
Storage temperature	- 25°C ... + 85°C
IP protection	IP20
Operating voltage	12...50 VAC/VDC
Operating current	150 mA
Installation	Top hat rail 35
EMC	DIN EN 50293 (VDE 0832-200:2/2002)
Baud rate	max. 1 Mbit/s
Delay time	170 ns, max. 245 ns (corresponds to 31m or 44m cable length)
Terminals	Screw terminals
Terminating resistor	Fixed on CAN 2

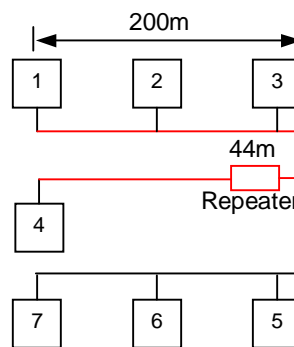
Technical data

Example: CAN bus system with 100kBit/s (max. 600m cable length possible)



Typical CAN bus structure

à 800m **O**



CAN bus structure with CAN Repeater (with branch line)

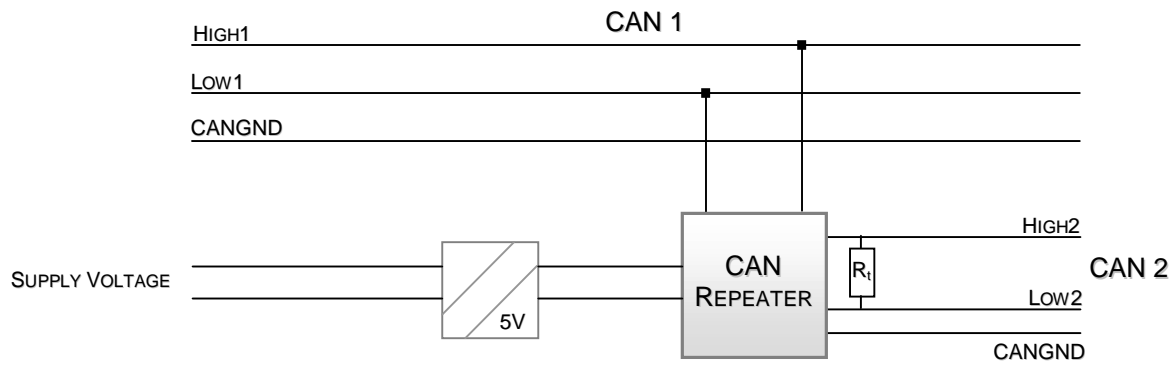
à 444m **P**

— critical cable length

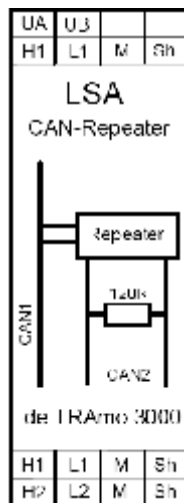




Connections:



R_t = Terminating resistor



- UA Operating voltage (pos.)
- UB Operating voltage (neg.)
- H1 HIGH1 (CAN1)
- L1 Low1 (CAN1)
- M CANGND
- Sh Shielding (CAN1)
- H2 HIGH2 (CAN2)
- L2 Low2 (CAN2)
- M CANGND (CAN2)
- Sh Shielding (CAN2)

Module
CAN Repeater

Article number
(Article no. 195)

Scope of delivery

- technical information subject to change without notice -