

CAN-CR200



The modular CAN repeater CAN-CR200 with two CAN interfaces and one CAN backbone interface can be used to improve the load capacity of the CAN bus with nodes, to establish a physical coupling of CAN bus systems or to insert a galvanic isolation.

The CAN-CR200 creates the necessary flexibility to optimize the structure of CAN networks and to free CAN networks from the restriction to the bus structure. It can be used to implement tree or star topologies as well as stub lines. For creating star or tree topologies, several CAN-CR200 can be connected to a CAN-hub via the integrated backbone bus.

The CAN-CR200 separates a defective segment from the rest of the network, allowing the remaining network to continue working.

FEATURES AND BENEFITS

- Cost savings due to simple wiring
- Almost no influence on real-time behavior
- Greater flexibility in CAN network design
- Separates a defective segment, allowing the remaining network to continue working
- Increased system reliability
- 2 x CAN interfaces
- DIN-Rail backbone bus to line up and connect repeaters easily
- Galvanic isolation

ORDER NUMBER	1.01.0067.44010
Display	3 x CAN status LED (duo LED for communication and errors), Power LED
CAN channels (high-speed)	2
CAN bus interface	ISO 11898-2 with CAN choke. 2 x D-Sub 9 connectors; 1 x backbone bus
CAN bit rates	Up to 1 Mbit/s
CAN bus termination resistors	120 Ohm switchable via DIP switch
CAN high-speed transceiver	SN65HVD251
Galvanic isolation	1 kV DC / 1 sec, 500 V AC / 1 min; CAN 1, CAN 2 and backbone bus are galvanic isolated against each other
CAN propagation delay (typical)	Typ. 200 ns (40 m bus length)
Power supply	+9 V to +32 V DC

ORDER NUMBER	1.01.0067.44010
Power consumption at 24 V	Typ. 41 mA, max. 100 mA
Operating temperature	-20 °C to +70 °C
Weight	Approx. 300 g
Dimensions	22.5 x 100 x 118 mm
Storage temperature	-40 °C to +85 °C
Protection class	IP30
Relative humidity	10 to 95 %, non-condensing
Certification	CE, FCC
Housing material	Polyamid



ACCESSORIES	ORDER NUMBER
T bus connector	1.04.0073.00000
Termination adapter for CAN/CAN FD (D-Sub male to female)	1.04.0075.03000
CAN cable 2.0 m (D-Sub male to female)	1.04.0076.00180
CAN Y cable 0.22 m	1.04.0076.00001
CAN Y cable 2.1 m	1.04.0076.00002

PIN ALLOCATION

POWER CONNECTOR ④

⊙ 1	■	+9 V to +32 V DC
⊙ 2	■	0 V
⊙ 3	■	-
⊙ 4	■	-

CAN CONNECTOR D-Sub 9 ① ②

Pin no.	Signal
2	CAN-Low
3	CAN-GND
7	CAN-High

CAN CONNECTOR TBUS ③

1	CAN-High
2	CAN-Low
3	CAN-GND
4	-
5	-

TECHNICAL DRAWING

