

## CAN-CR220

### ISO 11898-2 CAN repeater with 4 kV galvanic isolation

The CAN-CR220 is used for the galvanic isolation of two segments of a CAN network and offers a very high galvanic isolation of 4 kV, allowing it be utilized in medical applications. One special feature of the Repeater is the automatic recognition and separation of a defective segment from the rest of the network so that the remaining network can continue working. After elimination of the defect, the segment is switched into the network again.

The galvanic isolation isolates the CAN segments from each other as well as from the power supply.

The CAN-CR220 is tested according DIN/EN 50178 (DIN VDE 0160: 1988-05 and DIN VDE 0160/A1: 1989-04).



### FEATURES AND BENEFITS

- Line protection up to 4 kV
- DIN/EN 50178 (DIN VDE 0160: 1988-05 and DIN VDE 0160/A1: 1989-04)
- Cost savings due to simple wiring
- Increased system reliability
- Almost no influence on real-time behavior

### CONTENTS OF DELIVERY

- CAN-CR220
- Quick reference

### TECHNICAL SPECIFICATIONS

<b>Display</b>	Transmit and defective segment (two duo LEDs), Power (one LED)
<b>CAN bus interface</b>	ISO 11898-2 with CAN choke. Two Sub-D9 connectors. CAN termination resistors are integrated (switchable).
<b>Baudrate</b>	Up to 1 Mbit/s
<b>Delay</b>	200 ns (corresponds ~40 m (~120ft.) bus length)
<b>Power supply</b>	9-32 V DC, 1.5 W typ., through terminals
<b>Galvanic isolation</b>	CAN 1, CAN 2 and power supply are galvanic isolated against each other.

	<p>Isolation voltage 1.01.0067.44400</p> <ul style="list-style-type: none"> <li>- 2.0 kV AC / 1 min</li> <li>- 3.2 kV DC / 1 min</li> <li>- 3.5 kV AC / 1 sec</li> <li>- 4 kV DC / 1 sec</li> </ul> <p>Isolation voltage 1.01.0067.44300</p> <ul style="list-style-type: none"> <li>- 3 kV AC / 3 min</li> <li>- 3.75 kV AC / 1 min</li> <li>- 4 kV DC / 1 min</li> <li>- 4 kV AC / 1 sec</li> <li>- 4 kV DC / 1 sec</li> </ul>
<b>Certification</b>	CE, FCC
<b>Temperature range</b>	-20 °C ... +70 °C
<b>Housing, size</b>	Plastic enclosure, 22.5 x 100 x 115 mm

File

Version

Size

Read online

## Order number

<b>1.01.0067.44400</b>	CAN-CR220 (see technical data - galvanic isolation)
<b>1.01.0067.44300</b>	CAN-CR220 (see technical data - galvanic isolation)

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