



## CAN-CR210/FO

### Stackable converter from ISO 11898-2 to fiber optic cable

The CAN-CR210/FO is used for the conversion of the CAN signal from copper wire (ISO 11898-2) to fiber optic cables. This provides a complete isolation and protection against EM-influences.

For creating star or tree topologies, several CAN-CR210/FO can be connected to a CAN-hub via the integrated backbone bus (also in conjunction with CAN-CR200).

One special feature of the repeater is, that it separates 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.



### FEATURES AND BENEFITS

- DIN-Rail backbone bus to line up and connect the devices easily
- Fiber optic enables transmission in areas with high electromagnetic disturbances
- Increased system reliability
- Almost no influence on real-time behavior

### CONTENTS OF DELIVERY

- CAN-CR210/FO
- Quick reference

### ACCESSORIES (NOT INCLUDED)

- T bus connector for creating star / tree topologies

### TECHNICAL SPECIFICATIONS

<b>Display</b>	Transmit and defective segment (three duo LEDs), Power (one LED)
<b>CAN bus interface</b>	ISO 11898-2, Sub-D9 connector. CAN termination resistors are integrated (switchable). Integrated backbone bus.
<b>FOC connection</b>	2 x F-SMA or ST terminal for duplex line (multi-mode glass 50/125 $\mu\text{m}$ , 62.5/125 $\mu\text{m}$ duplex)
<b>Baudrate</b>	Up to 1 Mbit/s
<b>Delay</b>	$\sim 300$ ns (translates into $\sim 60$ m ( $\sim 90\text{ft.}$ ) bus length) between the wire connection of a FO Repeater through the fiber optic cable to the wire connection of a second FO Repeater (not including the signal delay time of the fiber optics, which is $\sim 5$ ns/m)
<b>Power supply</b>	9-35 V DC, 1.5 W typ., through terminals
<b>Galvanic isolation</b>	1 kV, 1 sec.; CAN 1
<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 (without FO connector)

## Order number

<b>1.01.0068.45010</b>	CAN-CR210/FO - Glass fiber version with F-SMA connector
<b>1.01.0068.46010</b>	CAN-CR210/FO - Glass fiber version with ST connector
<b>1.04.0073.00000</b>	T bus connector

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