CAN-Repeater

The CAN Repeater is used for the galvanic isolation of two segments of a CAN network and for creating star or tree topologies. 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.

Alternative, the Repeater can be equipped with a low-speed bus interface (ISO 11898-3), allowing the operation as high/low-speed converter. Its galvanic isolation isolates both CAN segments from each other as well as from the power supply.

Technical Data

Display	Transmit (2 green LEDs), defective segment (2 red LEDs)
CAN bus interface	ISO 11898-2 with CAN choke. Screw terminals. CAN termination resistors are integrated (switchable).
Baudrate	Up to 888 kbps
Delay	200 ns (corresponds ~40 m (~120ft.) bus length)
Power supply	9-35 V DC, 1.5 W typ., through terminals
Galvanic isolation	1 kV, 1 sec.; CAN 1, CAN 2 and power supply are galvanic isolated against each other.
Temperature range	-20 ºC ... +70 ºC
Housing, size	Plastic enclosure, 110 x 75 x 22 mm

Order number

1.01.0064.44000	CAN-Repeater (2 x ISO 11898-2) with galvanic isolation
1.01.0064.46000	CAN-Repeater (ISO 11898-2 to ISO 11898-3) with galvanic isolation