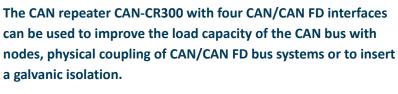


9000

Ixxat

## **DATASHEET**





It creates the necessary flexibility to optimize the structure of CAN/CAN FD networks and to free CAN networks from the restriction to the bus structure. Since there is no integrated bus termination resistor, it gives you flexibility in positioning resistors for CAN termination.

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



- CAN and CAN FD interfaces in one device
- 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
- 4 x CAN/CAN FD channels
- Galvanic isolation

| ORDER NUMBER                    | 1.01.0210.40200                                                                                                               |  |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|
| Display                         | 4 x CAN status LED (duo LEDs for communication and errors), Power LED                                                         |  |
| CAN FD/CAN channels             | 4                                                                                                                             |  |
| CAN bus interface               | ISO 11898-2 with CAN choke. 4 x screw terminals                                                                               |  |
| CAN bit rates                   | Up to 1 Mbit/s                                                                                                                |  |
| CAN FD bus interface            | ISO CAN FD and nonISO CAN FD                                                                                                  |  |
| CAN FD bit rates                | Arbitration rate: up to 1000 kbit/s, data rate: up to 8000 kbit/s (verified by testing). User defined bit rates are possible. |  |
| CAN bus termination resistors   | None                                                                                                                          |  |
| CAN/CAN FD transceiver          | MCP2562FD                                                                                                                     |  |
| Galvanic isolation              | 1 kV DC / 1 sec.; 500 V AC / 1 min. All CAN channels and power supply are galvanically isolated from each other.              |  |
| CAN propagation delay (typical) | Typ. 175 ns (35 m bus length)                                                                                                 |  |



| ORDER NUMBER              | 1.01.0210.40200            |  |
|---------------------------|----------------------------|--|
| Power supply              | +9 V to +36 V DC           |  |
| Power consumption at 24 V | Typ. 90 mA, max. 125 mA    |  |
| Operating temperature     | -20 °C to +70 °C           |  |
| Weight                    | Approx. 150 g              |  |
| Dimensions                | 22.5 x 105 x 114 mm        |  |
| Storage temperature       | -40 °C to +85 °C           |  |
| Protection class          | IP20                       |  |
| Relative humidity         | 10 to 95 %, non-condensing |  |
| Certification             | CE, FCC                    |  |
| Housing material          | Polyamid                   |  |

| CERTIFICATES |    |
|--------------|----|
| CE           | FC |

| ACCESSORIES                                               | ORDER NUMBER    |
|-----------------------------------------------------------|-----------------|
| Termination adapter for CAN/CAN FD (D-Sub male to female) | 1.04.0075.03000 |
| CAN Y cable 0.22 m                                        | 1.04.0076.00001 |
| CAN cable 2.0 m (D-Sub male to female)                    | 1.04.0076.00180 |

