



Ethernet/CAN Gateway EtherCAN/FD-S

Special Features

- Connection of CAN FD and Classic CAN systems to Ethernet
- Galvanic decoupling of CAN transceiver
- ISO 11898-2:2016 and CIA 601-4 (SIC) compatible bus interface (TI TCAN1462)
- 24 V nominal power supply
- Power supply for maintenance via USB C possible
- Free of charge development kits for Windows 7/8.x/10/11 and Linux for client applications

Description

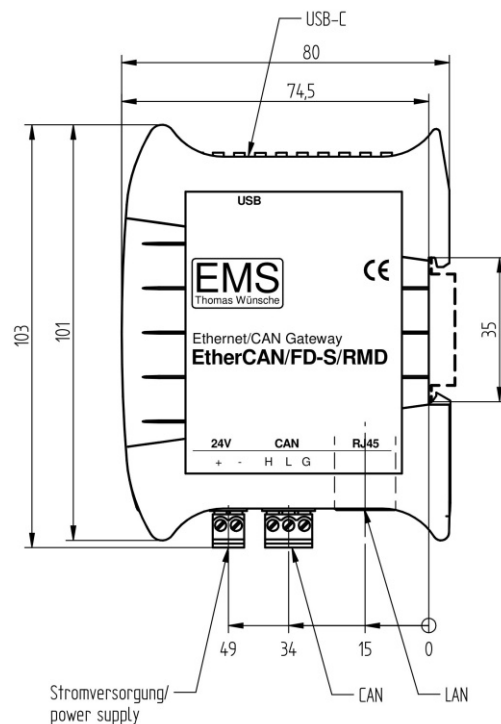
The rail mountable EtherCAN/FD-S acts as a gateway between CAN FD and Ethernet systems. EtherCAN/FD-S utilizes FreeRTOS, which enables high bandwidth with low latency.

Utilizing the Ethernet standard EtherCAN/FD-S is suitable in a wide range of applications. Acting as a standard CAN interface in a LAN environment it allows remote control of CAN systems. It can also be used to bridge CAN networks over Ethernet with two EtherCAN/FD-S working back to back.

EtherCAN/FD-S is configured by a web server running on it. A USB-C interface helps for basic maintenance tasks such as resetting a device to its factory settings or viewing device information like the current network settings.

Technical Data

Layout and Connection



Limiting values

Parameter	Minimum	Maximum	Unit
Storage temperature	-40	+85	°C
Operating temperature	-20	+70	°C
Supply voltage	-100	+35	V

Any (also temporary) stress in excess of the limiting values may cause permanent damage on EtherCAN/FD-S and other connected devices. Exposure to limiting conditions for extended periods may affect the reliability and shorten the life cycle of the device.

Nominal Values

Parameter	Minimum	Typical	Maximum	Unit
Current consumption (running idle, no CAN and no Ethernet connection)	-	40	-	mA
Current consumption (250 kBit/s / 2 MBit/s, 100 % busload)	-	75	-	mA
Supply voltage	11	24	30	V

All values, unless otherwise specified, refer to a supply voltage of 24 V and an environmental temperature of 20 °C.

Scope of Delivery

- Ethernet/CAN gateway EtherCAN/FD-S
- User manual
- proCANTool CAN-Monitor for operating systems Windows 7/8.x/10/11 is provided as a download (digital service). A data medium (e.g. CD) will be sent on request.