

CW-106

CANswitch FD



The CW-106 CANswitch FD establishes a connection via CAN bus between an existing topology (main CAN bus) and the output channels (bi- and unidirectional CAN bus).

The output channels (CAN bus) are galvanically isolated from each other and from the power supply, up to 1 kV. The entire message traffic of the existing topology including error frames can be forwarded by the CW-106. This enables an extension of the topology without influencing the existing system.

FEATURES

- 4 x bidirectional CAN-Bus
- 2 x unidirectional CAN-Bus
- Galvanic isolation up to 1 kV
- Representation of the bus load via LED
- Robust aluminium Housing

CAN-INTERFACE

Quantity	6, galvanic isolation up to 1 kV
Type	ISO 11898-2 (high-speed) CAN protocol versions 2.0 A and 2.0 B
Data rate	up to 8 Mbit/s
Termination	Bidirectional: via DIP-Switch Unidirectional: 120 Ω , connectable via Jumper
Cycle time	136 ns
Connector	Main-CAN-Bus: 2 x D-Sub 15 pol. Bi- und Unidirectional Channel: LEMO EPG.1B.303

POWER SUPPLY

Supply Voltage	9 VDC to 36 VDC
Current consumption	150 mA at 12 VDC
Connector	LEMO EPG.OB.302

ENVIRONMENTAL CONDITIONS

Temperature	-40°C to +70 °C
Relative Humidity	35 % to 85 %, non-condensing

GENERAL INFORMATION

Housing	Robust aluminium housing
Dimension (LxBxH)	104 mm x 130 mm x 36,4 mm
Weight	350 g
Features	Galvanic isolation up to 1 kV between CAN-Channels and Supply Voltage Representation of the bus load via LED

FURTHER DEVICES OF THE CW-100 SERIES

CW-101 CAN-USB-Interface	CW-131 FLEXRay™ ,CAN and LIN
CW-102 CAN-Ethernet-Interface	CW-140 Programmable Interface for CAN and LIN
CANnect Gateway for CAN and LIN	CW-141 Analysis tool for CAN and CCP
CANnect CAN FD-Modul	