700-660-2AA01



CAN-Bridge

- Enlargement of the network scope
- Connect different CAN networks (different transmission rates / messages, those are part of different higher protocols)
- Physical disconnection (electrical isolation)
- Reduced bus load on both CAN networks
- Automatic detection of transmission rates
- Easy configuration mode
- For use with CAN 2.0A & 2.0B, CANopen®, DeviceNet, SAE J1939
- DIN rail mounting

Info

The CAN bridge makes it possible to connect two CAN networks of the same type or of different types. It can be used as a message repeater to expand network distances, as well as to connect different CAN networks together. By transmit the messages is immaterially whether the CAN networks have different transfer rates or the messages those are a part of different higher protocols, such as CANopen®

and a proprietary protocol.A flexibly adjustable filtering logic can accept freely selectable identifiers and transfer them to the other network.The CAN messages are forwarded to the respective other CAN network according to the store-forward principle and sent out again.With the CAN bridge, the CAN networks are physically decoupled (electrical isolation) and the bus load is reduced on both CAN networks. The CAN bridge allows a flexible design of the network topology

Technical data

General information	
Order number	700-660-2AA01
Article name	CAN bridge, 2 x CAN bus interfaces
Scope of delivery	CAN bridge, manual, software, USB programming cable
Dimensions (DxWxH)	31 x 74 x 75 mm
Weight	Approx. 130 g
Status indicator	5 LEDs
Voltage supply	24 V DC, 18–30 V DC
CAN interface	
Number	2
Type	ISO/DIN 11898-2 CAN High-speed physical layer
Transmission rate	10 kbps ... 1 Mbps
Protocol	CAN 2.0A (11 bit)/ CAN 2.0B (29 bit) Layer 2, transparent
Connection	Connector, SUB-D, 9-pin
Features	automatic detection of transmission rate or fixed setting
Configuration interface	
Type	USB 1.1
Connection	Mini USB socket
Current draw	
Current draw typical	35 mA
Current draw maximal	60 mA
Ambient conditions	
Ambient temperature	-25 °C ... +60°C
Transport and storage temperature	-25 °C ... +75 °C
Pollution degree	2
Protection rating	IP20
Approvals	CE