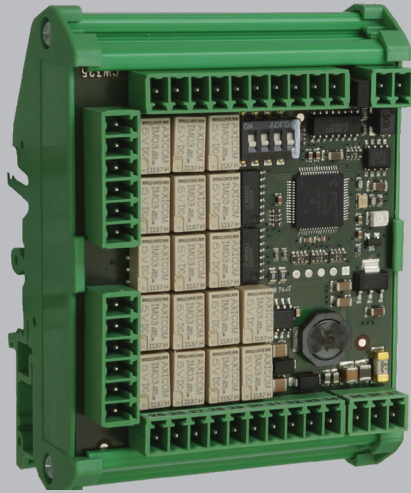


CW-325

BUS AND SIGNAL MULTIPLEXER



The bus and signal multiplexer module is a further product belonging to the CW-300 series for test bench technology and test bench automation. Utilizing the CW-325 it is possible to control the signal paths of bus systems such as CAN bus and FlexRay™ or any desired signal.

The signal paths are connected, disconnected or diverted by means of commands via a control CAN. It is possible to activate terminating resistors for termination purposes for bus systems or to divert the buses to a diagnostics gateway. 17 signal relays are available for these functions.

The open design in the top-hat rail housing (45 mm to DIN) offers the user a quick and easy solution to automate procedures in test bench technology.

The CW-325 is a component of the CW-300 series from CANWAY. The entire series is based on a modular design with a CAN bus interface that can be combined according to requirements of the respective application.

PERFORMANCE CHARACTERISTICS

- Switch up to 5 bus systems or signals
- 17 switchable signal relays to set the signal paths
- Control via CAN bus
- USB and Ethernet interfaces are also available in conjunction with the CW-101 or CW-102
- Top-hat rail housing for quick and easy installation
- Easy to extend and scale

SIGNAL PATHS

Number	5 signal paths for signal or bus-systems
Signal relays	17 relays to switch signal lines
Bus systems	CAN-Bus: up to 1 Mbit/s FlexRay: up to 10 MBit/s Further bus-systems on request
Voltage range	±15 VDC
Current level max	1 A
Signal band width	10 MHz or 10 Mbits/s

CAN-INTERFACE

Number	1
Type	ISO 11898-2 (highspeed) CAN-protocol version 2.0 A and 2.0 B, supports SAE J1939 (29-bit-identifier)
Data rate	500 kbit/s, on request: 50, 100, 125, 250, 500, 800 and 1000 kbit/s
Termination	120 Ohm, optional activation via jumper

POWER SUPPLY

Supply voltage	7 VDC to 30 VDC
Current consumption	25 mA at 12 VDC

ENVIRONMENTAL CONDITIONS

Temperature range operation	-20 °C to +65 °C
Temperature range storage	-20 °C to +85 °C
Relative humidity	35 % to 85 % , non-condensing

GENERAL INFORMATION

Housing	45 mm DIN-top-hat rail housing
Dimensions (LxWxH)	65 mm x 90 mm x 46 mm
Weight	80 g

FURTHER DEVICES CW-300 SERIES

CW-301 CAN controlled Power Supply	CW-326 Failure Injection Unit
CW-310 Wheel Speed Pulse Conditioning	CW-327 A/D-Converter
CW-311 Wheel Speed Unit Simulation	CW-328 Current Measurement Interface
CW-321 Power Relay-Interface	CW-329 Relay Control
CW-322 20-Fold Signal Relay-Interface	CW-390 High Load Relay up to 35 A
CW-323 D/A-Converter	CW-391 High Load Relay up to 70 A
CW-324 Current Sink	CW-392 High Load Relay with integrated current measurement