

# CW-322

## 20 FOLD SIGNAL RELAY INTERFACE



We have expanded our CW-300 series for test bench technology with the CW-322, a module designed to control up to 20 signal relays via CAN bus. This module not only supports targeted actuation of a single relay, but also synchronized control of several relay channels.

The open design of the top-hat rail housing (45 mm to DIN) offers the user a fast, simple and at the same time cost-effective solution to automate switching signals, no matter if for every-day tasks in automation technology or on test benches.

The hole matrix integrated in the CW-322 makes it possible to add additional components to influence a relay channel or several signal paths, e.g. passive filter levels or the targeted merging or mixing of different signals.

In conjunction with the bus technology modules CW-101 and CW-102 it is possible to transfer measurement data via USB or ethernet to a PC on the one hand, and to alter the configuration of the module on the other. A software API written in C/ C++ and C# facilitates incorporating the module in proprietary programs.

### PERFORMANCE CHARACTERISTICS

- Up to 20 channels with signal relays
- Control via CAN bus
- Selective control of a single channel or simultaneous control of several channels possible
- Hole matrix for own switching components (filter levels, etc.)
- Quick and easy to install, suitable for top-hat rail (45 mm to DIN)
- Easy to extend and scale channels

## SIGNAL RELAYS

Number	20
Switching current	$\leq 2$ A at 120 VAC/60 VDC
Switching power	60 VA/24 W
Switching cycles	$\geq 100.000$
Switch type	SPDT
Galvanic separation	Relay channels

## 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	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	22 mA at 12 VDC (unswitched) 360 mA at 12 VDC (all relays switched on)

## ENVIRONMENTAL CONDITIONS

Temperature range operation	-10 °C to +70 °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)	110 mm x 125 mm x 46 mm
Weight	245 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	CW-329 Relay Control
CW-323 D/A-Converter	CW-390 High Load Relay up to 35 A
CW-324 Current Sink	CW-391 High Load Relay up to 70 A
CW-325 Bus and signal multiplexer	CW-392 High Load Relay with integrated current measurement