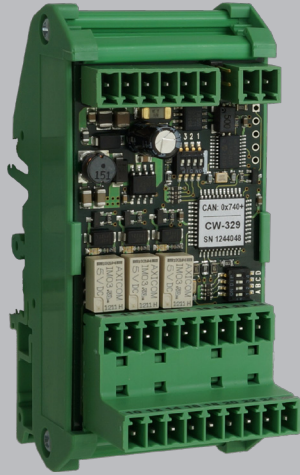


CW-329

3-FOLD SIGNAL RELAY INTERFACE



We have expanded our CW-300 series for test bench technology with the CW-329, a module designed to optionally control up to 3 signal relays via CAN bus or digital inputs. 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 low current signals (up to 1 A), no matter if for every-day tasks in automation technology or on test benches.

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 (communication is based on CAN-messages and can be performed with any CAN-interface). A software API written in C/C++ and C# facilitates incorporating the module in proprietary programs.

PERFORMANCE CHARACTERISTICS

- Up to 3 channels with a signal relay
- Control via CAN bus and digital inputs
- Sleep mode for low current consumption when deactivated
- Selective control of a single channel or simultaneous control of several channels possible
- Quick and easy to install, suitable for top-hat rail (45 mm to DIN)
- Easy to extend and scale channels

SIGNAL RELAYS

Number	3
Switching current	≤ 1A at 120 VAC/60 VDC
Switching power (max.)	60 VA / 24 W
Switching cycles	≥ 100.000
Switch type	SPDT
Digital inputs	3 (9 VDC to 15 VDC)

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	77 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	45mm-DIN-Top-hat rail housing
Dimensions (LxWxH)	40 mm x 90 mm x 55 mm
Weight	68 g

FURTHER DEVICES CW-300 SERIES

CW-301 CAN controlled Power Supply	CW-325 Bus and Signal multiplexer
CW-310 Wheel Speed Pulse Conditioning	CW-326 Failure Injection Unit
CW-311 Wheel Speed Unit Simulation	CW-327 A/D-Converter
CW-321 Power Relay-Interface	CW-328 Current Measurement
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