

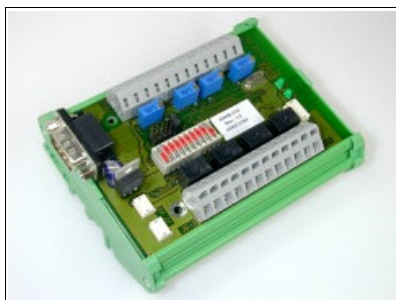
Sensormodul

Das Modul 3000-U13-00 (Bauform Kit) ist Bestandteil des ELM Systems. Es wertet die Ausgangsspannung von maximal 4 angeschlossenen Sensoren aus. Es können Messwerte gelesen, Schwellwerte definiert und Reaktionen auf deren Über- oder Unterschreitung festgelegt werden. Auf dem Modul stehen 4 Relais mit Umschaltkontakten zur Verfügung, die den Schwellwert-Ereignissen zugeordnet werden können.

Technische Änderungen vorbehalten.

Sensor module

The module 3000-U13-00 (type = kit) is an element of the ELM system. It evaluates the output voltage of up to 4 attached sensors. Measured values can be read and set points can be defined. There can be an upper and a lower set point for each of the sensor inputs. As a reaction of exceeding or falling below a set point, a relay can be switched on. The module provides 4 relays with a switch over contact each for this purpose. Each of the relays can be assigned to a set point by configuration.

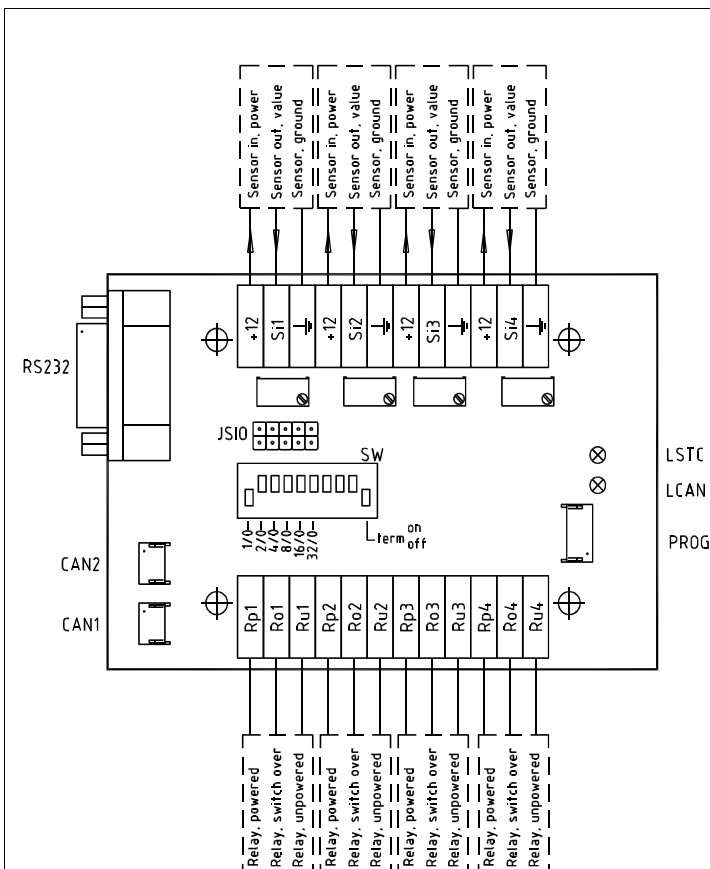


Housing of the kit: ... Phoenix Contact UM 72, snap-on foot for mounting on NS 32 or NS 37/7.5

Metrics: length 107 mm, width 90 mm, height 50 mm

Board / Firmware: .. H1m13v1e1 / S1m13a1v9

Power supply: +12 V, 140 mA + current of connected sensors.
The power supply is done with a combined plug for CAN-bus and power of the board.



Sensor input:

0...7500 mV, 13.3 kΩ, protected against overvoltage -25...+30 V.

Relay contact, switching:

max. 60 V DC, max. 1.0 A, max. 30 W

Relay contact, carrying:

max. 2 A, resistance 100 mΩ

LED LKAN:

Normally on, it will be pulsed off when CAN frames are received or send.

LED LSTC:

Normally off, it will be pulsed on when the status of the module is changed.

Addressing

The module address is the sum of the address values set on the switcher, see 'SW' in the figure above. For example the address in this figure is 1 (only the switcher 0/1 is active). A special case is the sum of 0 (all the 6 address switchers inactive), then the address is to be assigned dynamically via software command.

CAN bus

If the module is the first or the last in the module chain then the switcher SW-term must be switched on, otherwise it must be off. This is very important for correct working!

Schema

