

Kommunikationsmodul – Bauform Kit

Das Modul 3000-U14 ist die Zentraleinheit des ELM-Systems. Es verfügt über einen Ethernet Anschluss und einen RS232-Anschluss. Der Datenspeicher der U14 enthält die aktuelle Systemkonfiguration. Mit 2 Relaiskontakten können extern Schaltvorgänge ausgelöst werden, die mit der Steuersoftware ELMcontrol Ereignissen im System flexibel zuzuordnen sind.

Technische Änderungen vorbehalten.

Communications Module – Kit Style

The module 3000-U141-00 is the control and interface module of the ELM system. Ethernet connection and a serial RS232 interface are available. Actual system configuration is stored in the module RAM memory. 2 relay contacts are available for external control functions. Alarms or events can be assigned via control software ELMcontrol to trigger the on-board relays is part of the ELM system.

Subject to technical changes.



Power supply:	12 VDC, 180 mA; + 10 mA for each LED
RAM battery:	3V (VL 3032)#; 1 year retention time with battery fully charged
Relay switch data:	30 V DC, max. 1.0 A / 48 V AC, 0.5 A
Temp. range:	0 ... 60 °C
LED TXC:	ON for 2 s during initialization; ON for 30 s if RAM is cleared; blinking after successful CAN Bus cycle
LED RXC:	Blinking when CAN Bus is active, ON when CAN bus is interrupted
LED TXN:	Network SEND
LED COL:	Network collision
LED 7:	Relay 1 enabled
LED 9:	Relay 2 enabled
Dimensions:	107mm x 90mm x 60mm (W x D x H)

Fig. 1 3000-U14-00

RS 232	9 pin SubD connector; TTL level on male connector J4; baud rate 38400 bits/s
Network	RJ 45 jack; 10 MBit Ethernet; Protocol IP
CAN Bus	JST-S4-ZR edge connector, cable connection via socket terminal strip JST ZHR-4. If the module is the first or the last in the chain then CAN Bus termination switch must be set to "ON", otherwise "OFF". This is essential for correct operation!

External LED's	LED connectors for TXC, RXC, TXN, RXN und COL are available on edge connector J2. Max. load per output is 13 mA.
Clear RAM	Open J3 for about 5 sec

Note

Power supply is fed from another module through CAN Bus connectors CAN1 or CAN2

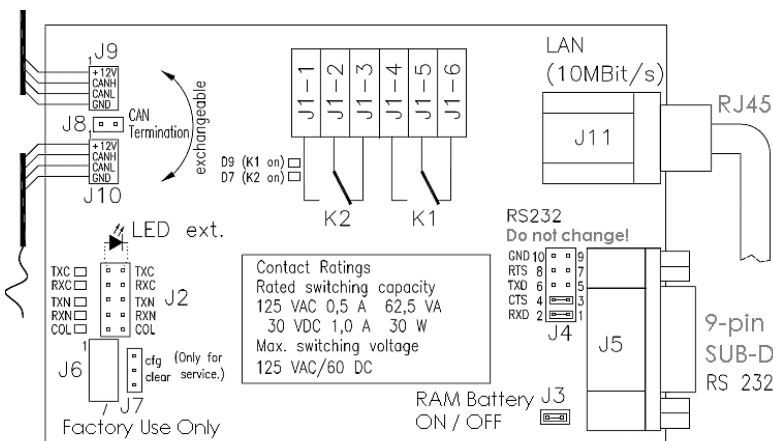


Fig. 2 Schematic diagram