

INSTALLATION AND COMMISSIONING INSTRUCTION

Relay-Module RM6

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Part.-No.: 680200-9

Application: Factory fitted module installed into an EMB 8000 and fully wired, for the transmitting of signals via volt free relay contacts.

Part.-No.: 680200

Application: Module for the self installation on customer side into an EMB 8000 control unit for the transmitting of signals via volt free relay contacts.

Operating voltage:	24 V DC
Internal consumption:	5,3 mA
Housing (WxHxD):	100 x 120 x 22,5 mm, ABS (plastic), black
Module units:	1 ME
Outputs:	6 volt free relay contacts (change-over switch, 42V / 0,5A)
Display:	Operation, fault
Connections:	Plug-in terminals 1 mm ² (rigid wire), socket and plug with cable for internal BUS
Feature / Equipment	Fixing on 35-mm mounting rail, configuration of the functional and performance features via configuration software EMB8000.

Relay-Module RM6

For the use of Relay-Module **RM6** a licensed EMB 8000 software is mandatory necessary.

Functions:

- For the transmitting of signals via volt free relay contacts.
- Configuration of the functional and performance features via configuration software EMB 8000.

Take the module into operation:

- Integrated module into the internal **BUS**.
- Position behind Power-Module **PM** / Power-Modul-Extension **PME** / Control-Module **CM** freely selectable.
- Fixing on 35-mm mounting rail.



Warranty claims require proper and professional assembly, installation and maintenance in accordance with national regulations and manufacturer's instructions as to SHEV Control Unit. Always disconnect the system from power supply and back-up battery voltage prior to any installation or modification work on the control unit.



Strictly observe the information given in the SHEV Control Unit **EMB 8000** description when mounting the Relay-Module **RM6**. Setting of functions requires the software of the control unit's manufacturer. Keep this instruction over the lifetime of the control unit.

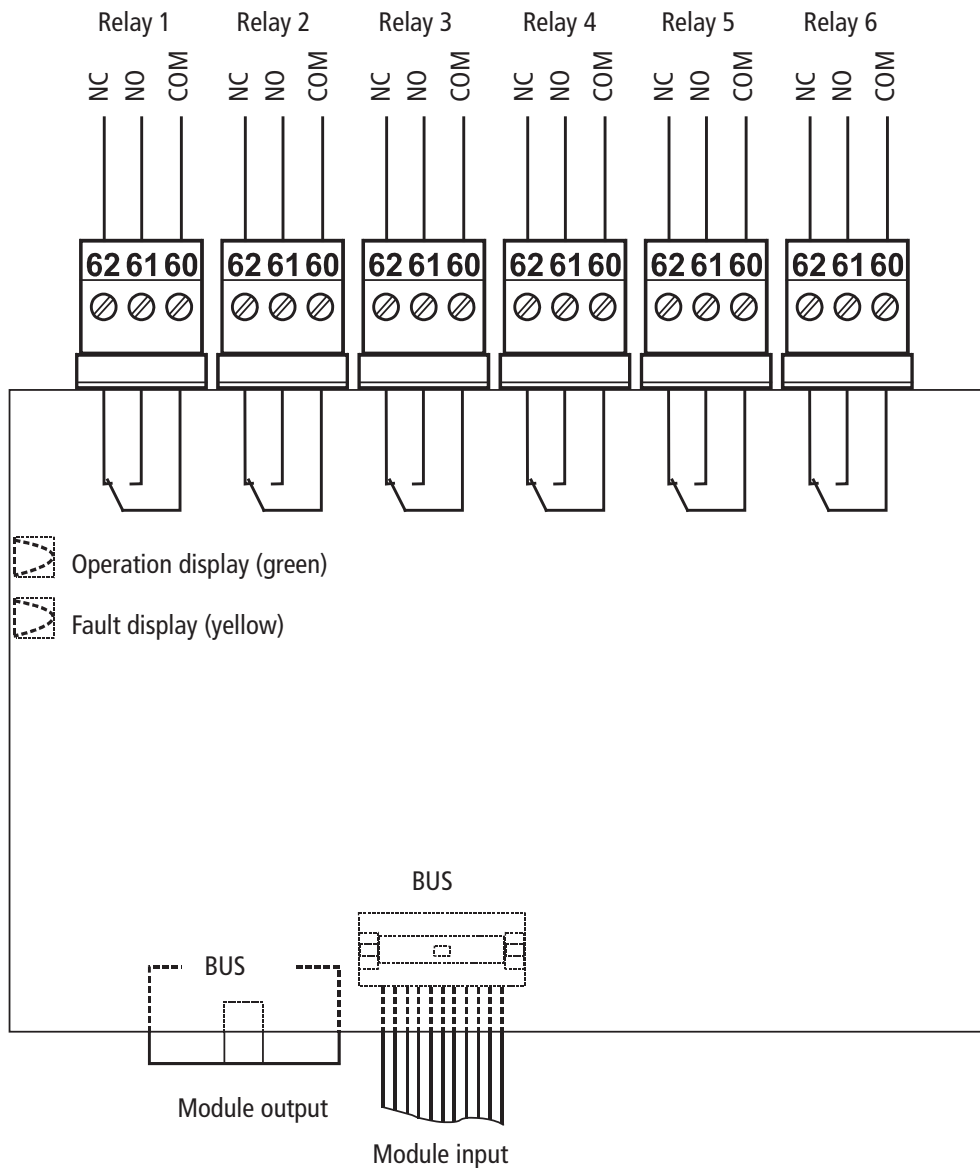
CONNITION: RELAY-MODULE RM6

Connection: Relay-Module RM6





For the use of Relay-Module **RM6** is a licensed software mandatory!

Relay contacts, volt free:
 Contact load: max. 42V, 0,5A
 Terminals: max. 1,0 mm²





TROUBLESHOOTING AND REPAIR

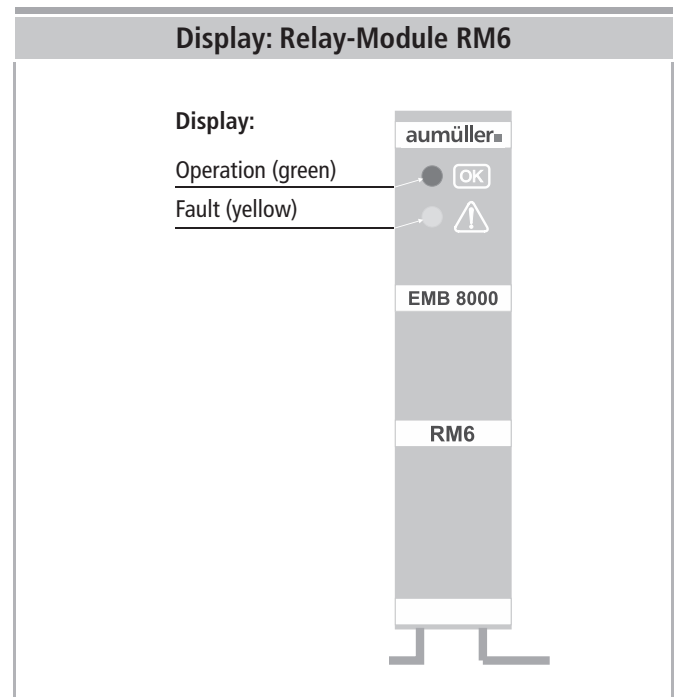
All functions and system components that are important for the SHEVS operation are constantly monitored for faults. A fault indication signals the type of fault and, respectively, possible errors when connecting system components during commissioning of the Control Unit.

Fault: Relay-Module RM6		
Fault		Cause / possible solution
 yellow		Module structure does not match with configuration

INDICATOR AND CONTROL ELEMENTS

Display the operating state	
Icon	Importance
	<p>Display green: <u>Permanently lit:</u> Correct conditions <u>Blinks:</u> Back-up battery operation (power failure) <u>No signal:</u> Back-up battery operation (power failure)</p>

Displays of status: Fault	
Icon	Importance
	<p>Display yellow: Fault</p>





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