

INSTALLATION AND COMMISSIONING INSTRUCTION

IM-K KNX-Module

IM-K - KNX-Module



Part.-No.: 680265-9

Application: Factory fitted module installed into an EMB 8000 and fully wired, for communication between the Aumüller control unit EMB 8000 and the **KNX-BUS-System**.

Part.-No.: 680265

Application: Module for the self installation on customer side into an EMB 8000 control unit for communication between the Aumüller control unit EMB 8000 and the **KNX-BUS-System**.

Operating voltage:	24 V DC
Internal consumption:	6 mA
BUS current:	9 mA
Data points:	up to 16 lines with up to 16 data points
Housing (WxHxD):	100 x 120 x 22,5 mm , ABS (plastic), black
Module units:	1 ME
Inputs:	6 analog inputs KNX sided, 3 x potential free Relay contacts via KNX
Outputs:	KNX-BUS terminal
Display:	Operation, fault, KNX-programming LED
Control elements:	KNX-programming button
Connections:	Plug-in terminals 1 mm ² (rigid wire), socket and plug with cable for internal BUS

IM-K KNX-Module

For the use of KNX-Interface-Module **IM-K** a licensed EMB 8000 software and an ETS-Software for KNX programming is mandatory necessary.

Functions:

- Communication module between the **EMB 8000** control unit and a **KNX-BUS** system.
- Execute commands from the KNX system directly to the EMB 8000 control unit (e.g. position movements, different running speeds).
- Sends check back indications to the KNX-BUS system about the state of the control unit (e.g. maintenance, operation, fault).
- Sends check back indications to the KNX-BUS system about the state of the drives (e.g. position, speed, fault).

Take the module into operation:

The programming button in front of the **IM-K** module triggers the KNX programming mode to assign a physical address and an application program to the **IM-K** module via ETS on the KNX side.

The **IM-K** module has to be programmed by the ETS software as well as the EMB 8000 software (licensed version).



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.



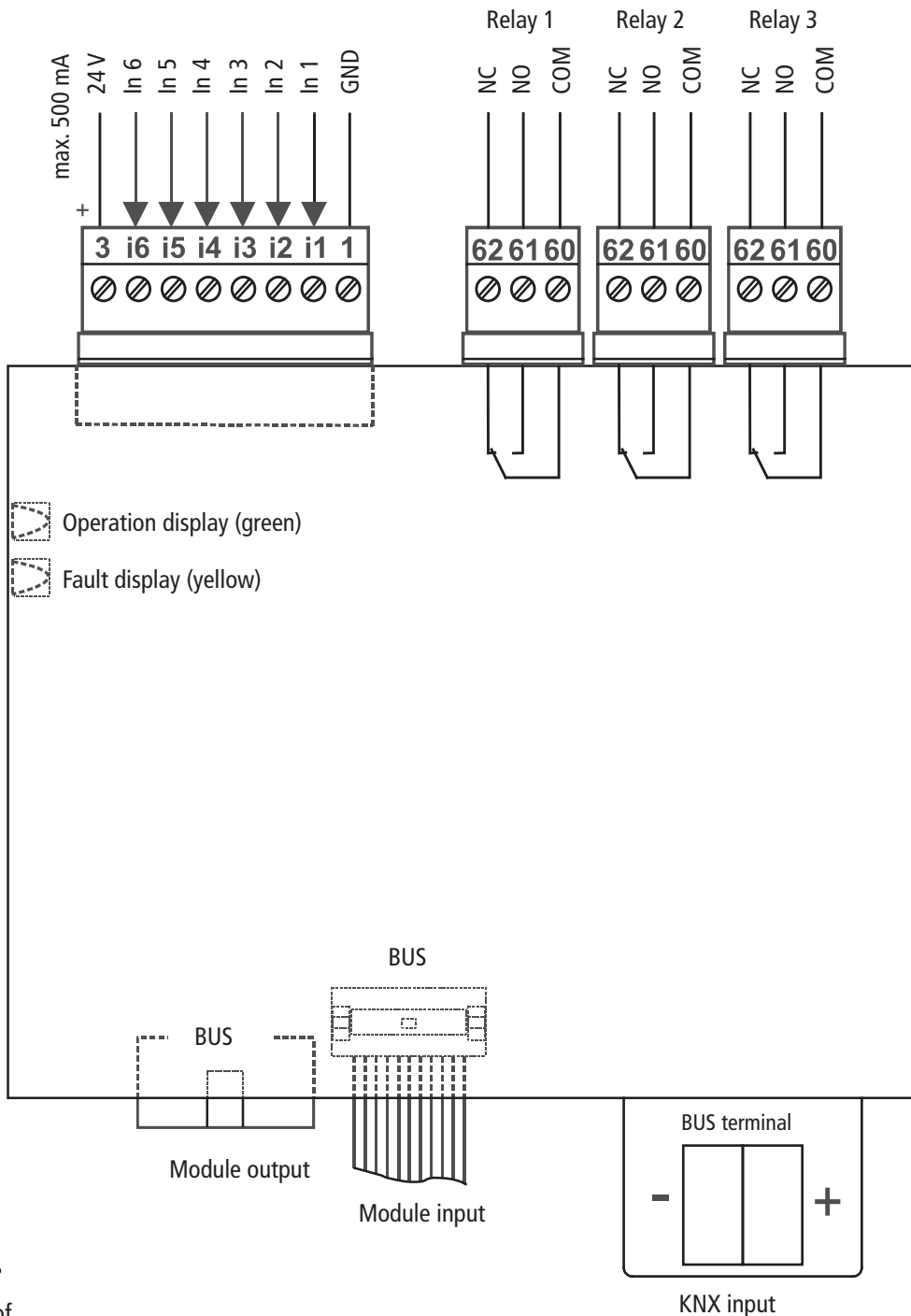
Strictly observe the information given in the SHEV Control Unit **EMB 8000** description when mounting the **IM-K**. Setting of functions requires the software of the control unit's manufacturer and ETS-Software. Keep this instruction over the lifetime of the control unit.

CONNITION: IM-K

Connection: IM-K

6x Analog input for sensors:
e.g. temperature, CO2, 0-10V,
max. 24 V, 0,5 A









Relay contacts, potential free:
max. 42V, 0,5 A




For the use of
KNX-Interface-Module IM-K
is a licensed
EMB 8000 and EST-Software
mandatory!


TROUBLESHOOTING AND REPAIR

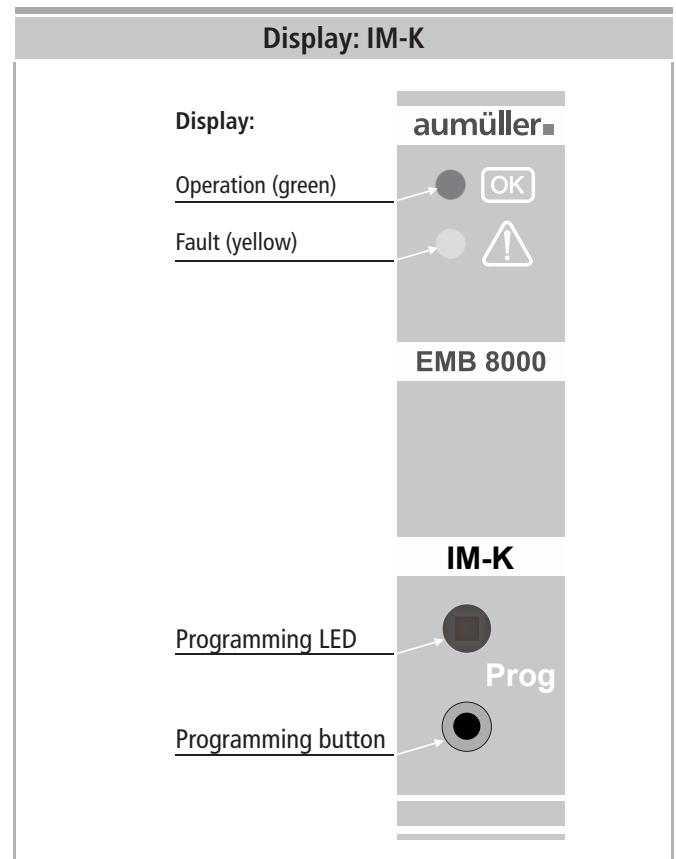
All functions and system components that are important for the SHEVS operation are constantly monitored for faults. A fault indication signals the type of fault and, respectively, possible errors when connecting system components during commissioning of the Control Unit.

Fault: IM-K KNX-Modul		
Fault	Cause / possible solution	
 green 	No correct BUS connection ( check ribbon cable)	
 green no signal	and	
 gelb 	Fuse defective ( check and replace if need be) or Short circuit or line interruption at drive line ( check the line end module) or Fault in power supply of module	

INDICATOR AND CONTROL ELEMENTS

Display the operating state	
Icon	Importance
	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)

Displays of status: Fault	
Icon	Importance
	Display yellow: Fault





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