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Actuator module AM 6a

Installation and Operation Instructions - Version 1/22

Please read these instructions carefully and completely.
Work may be performed only by qualified personnel!
Before starting any work, it is mandatory to deflect static charge!
We do not assume any guarantee or liability for defects caused by faulty connection.

1 Intended use, concept

- Actuator module to prevent malfunctions and/or damages, which can occur on control devices, when fast-travelling 24 V- actuators fall in generator mode due to a load supporting the closing movement
- Current input of the actuator max. 8 A
- Power supply and control are provided by the 24 V- actuator output of a SHEVS Control Centre / Control of type AM 5a, RWZ *, WST *, RWD 2a
  The use of K + G / Grasl Control Centres is recommended. Compatibility is to be checked for third-party controls. Not suitable for operation with the Control Centre RWZ 1a and the Control RWD 1a
- Plastic enclosure, light grey (like RAL 7035)

2 Installation / Putting into service / Putting out of service / Notes

Perform work only in de-energised condition!

The module must not be controlled directly (e.g., with external accumulators during installation / maintenance) if it is already connected to a SHEVS Control Centre / Control. This can lead to defects in the power output of the Control Centre / Control.
Actuators must not be controlled directly if they are already connected. This can lead to defects in the power output of the module.

- For the installation of the module, put the Control Centre / Control out of operation according to its operation instructions.
- Fasten the enclosure securely using suitable mounting material. Pass the connection cables through the openings provided and wire them according to the enclosed connection diagram.
- Put the Control Centre / Control into service again.

When the Control Centre / Control is put out of service, the module is out of service as well.

B080024

3 Technical data

Type	**AM 6a**
Part number	8167 6100 0000
Voltage supply (inversion of polarity for travel direction ∆ / ∇)	24 V⎓ (± 6 V)
Permissible ripple	2 V_{SS}
Maximum current input	8 A
Maximum output current	8 A
Dimensions in mm (W x H x D)	130 x 85 x 37
Mounting dimensions in mm	137
Cable entry through knockouts	top / bottom
Environmental class I (VdS 2581)	-5 °C … +75 °C
Maximum constant ambient temperature	+60 °C
Relative humidity	20 % … 80 %, non-condensing
Enclosure protection rating	IP43
Maximum cable cross-section (SHEVS control centre / actuators)	2 x 2,5 mm²

The requirements of Directives 2014/35/EU and 2014/30/EU are met. CE

4 Connection diagram, layout diagram