

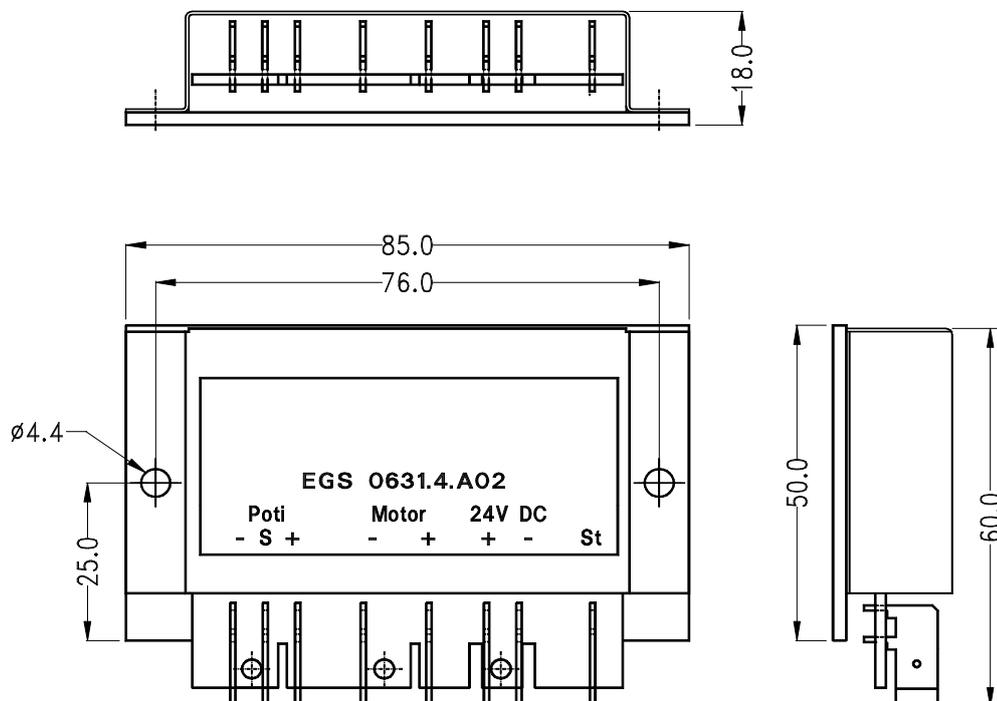
Overview motor-/ motorvalve controller

EGS 631.4.A02

The electronic blower-control EGS is used to control the speed of blowers depending on an input voltage. The input voltage can be a DC voltage or a pulse-width modulated voltage. Alternatively it is possible, to connect a potentiometer for speed control. One potentiometer can drive up to 5 EGS. Every EGS needs it's own fuse 15A. Additional state output monitors a short cut, open connection or blocking motor.

Nominal voltage:	24V DC
Voltage range:	18V to 30V DC
Nominal current:	15A
Current consumption:	50mA without load (blower off)
Set point potentiometer:	10kΩ linear
Input voltage:	24V to 0V, customer-specified curves possible
State output:	state ok: approx. 0,5V, error: Ubatt – 0,7V, state current max 0,5mA
Operating temperature:	-40°C to + 85°C
Storage temperature:	-50°C to +105°C
Connectors:	7 AMP- FASTON 6,3 x 0,8mm
Weight:	approx. 120g

Dimensiones: mm



Subject to technical modifications!

As of Nov. 2019

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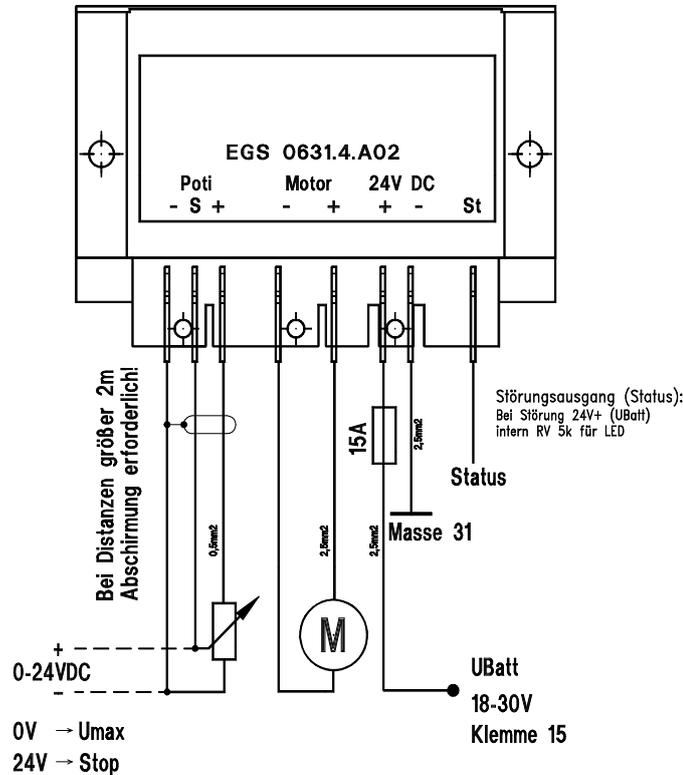
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Registered at the local court Stuttgart HRB 205971. Managing director: Florian Bader.

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Connection:



Function

After connect to the supply voltage the state is checked for about 3 seconds. Then the blower is driven to the set point speed.

After the blower is off, a new set point will be reached with a short speed increase.

This forces a break free in cases of a stiffed shaft.

The set point speed can be adjusted by:

- a set point potentiometer 10 kOhm,
- a variable DC voltage between 24V and 0 Volt. 24V represents a standing motor and 0 Volt the highest speed, (customer specified curves are possible).
- a pulse width modulated voltage. The EGS forms herefrom a DC voltage average value. In this case the speed is controlled with the pulse width. The smaller the pulse, the higher the speed.

During the operation the output currently is protected against short cut or a blocked motor.

In this case of failure the output will switchoff and state output will set.

In case of low supply voltage the EGS shuts down to passiv state, switches off the blower and sets the state output.

Attention! In any case after the EGS has set the state output, the EGS must be reactivated by

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