

# PSL-AMS

*We care for actuation.*

## The intelligent linear actuator up to 25 kN

### Speed-controlled actuation

The output is generated by a 24 VDC motor, which is controlled by the electronics via pulse width modulation (PWM), i.e. it is operated at variable speed. Absolute-coded feedback is done with a precision potentiometer. AMS standard equipment comprises positioner and active feedback function, automatic commissioning as well as comprehensive diagnostics functions.

### Parameterisation via software

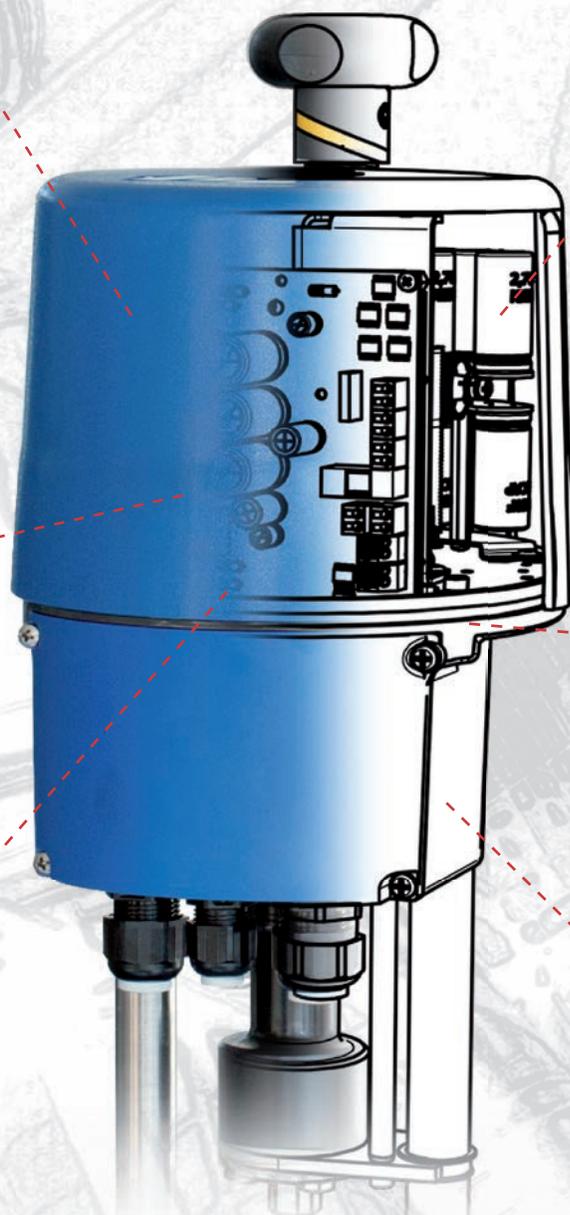
Via the communication software PSCS it is possible to adjust valve-specific details, actuation thrust/torque and speed, to configure alerts, and to do a freely programmable valve curve correction.

### Automatic commissioning

The automated one-key commissioning is a standard function.

### Diagnostics function

The diagnostics function of the communication software PSCS allows to retrieve counting values (such as operating hours, number of start-ups and running time of motor) and sets of running parameters (such as the analogue set value input actual position value, currently required motor torque and inside temperature of the actuator). The actual values can be graphically displayed and analysed using the monitor function. Thus the AMS concept allows pro-active maintenance and as a result an increase in process safety.



### Power failure backup

Integrated emergency supply on the basis of super-capacitors. Enables the actuator to perform an emergency operation in case of power failure to a freely adjustable safety position.

### Mechanical design

The mechanical part of the PS-AMS actuator consists of the components of PS Automation's standard actuators with their well-proven components, namely a robust spur gear with trapezoidal thread in PSL-AMS. All AMS actuators are lubricated for life and therefore are maintenance-free.

### Electrical connection

The electrical wiring of PSL-AMS is done directly to the terminal blocks in the integrated terminal box.

