Initialization

Motoric Valve Drive 6: 24 V proportional failsafe · https://faqdoc.info/en/systemauswahl/motoric-valve-drive-6/motoric-valve-drive-6-24-v-proportional-failsafe-en/initialisation/

MPRF, MPVF, MPOF

The OEM Motoric Valve Drive 6: 24 V Proportional Failsafe uses a stepper motor, a microcontroller and a self-locking gear unit.

Initialization

After switching on the power supply, the OEM Motoric Valve Drive 6: 24 V Proportional Failsafe performs an initialization. In the initialization phase, the actuator determines the travel and displays “In” (for initialization). At the same time, the green LED1 flashes.

First, the valve pressure plate is completely retracted, determining the inner end stop of the actuator. Subsequently, the valve pressure plate extends and first determines, during the travel, the position of contact with the plunger and the second end stop when the end of the valve path is reached and the actuator has come to a standstill.

The end of initialization is indicated by the green LED1 going out, “In” going out in the display and the alternating display of the applied control voltage and the current position.

.NOTE.

For an initialization phase, the OEM Motoric Valve Drive 6: 24 V Proportional Failsafe requires max. 7 min. 7 min.
During the initialization, the actuator does not respond to the control voltage applied.
For poppet valves with a soft rubber seal, the compression of the rubber seal is detected as the valve path.