Damper actuator 24 VDC

Damper actuator 24V DC with high availability for flow control, for release of the extinguishing water reserve, for supply release in the network, for actuation of discharge dampers, as well as for safety in case of emergency and malfunction.

Lowest electrical power, highest torque even with battery operation during mains failure. The Scheidegger damper actuator with 24V DC supply convinces with its ideal power transmission.

A selection of adapter parts allows the actuator to be mounted on commercially available damper makes - available for all standard sizes from DN50 to DN1000. Two types of actuators are available; the direct actuator for control and butterfly valves ≤ DN 600 and the crank actuator without rotation limitation, which is available for control and butterfly valves of all nominal sizes.

For operation in the event of a malfunction, the drive is supplied as standard with a conveniently operated hand crank. On the direct drive model, the hand crank is permanently installed, while a key for manual operation is included in the scope of delivery for the crank drive.

Features

- Operation with 24V DC emergency power supply possible (observe dimensioning)
- Operation by hand crank in case of emergency
- Small design, light construction weight
- Can be adapted to all commercially available damper makes
- Attachment to existing dampers as a service
- **5-year warranty on the entire actuator**

Mechanical performance

Model direct drive
| Output torque | Standard size | 1000Nm |
| | Custom size up to 3000Nm | |

Model crank drive
Output torque   125Nm

Electrical power consumption

Model direct drive Standard size
Average   0,2 − 0,3A / 24V DC
Max. Start-up and heavy-duty gait   1,0A / 24V DC

Model direct drive Custom size
Average   0,5 − 1,2A / 24V DC
Max. Start-up and heavy-duty gait   3,5A / 24V DC

Model crank drive
Average   1 − 2A / 24V DC
(Depending on gearbox - dimensioning/transmission ratio)
Max. Start-up and heavy-duty gait   5A / 24V DC

Signal outputs

Analog Out 4…20mA
- Damper position

Digital In
- Damper CLOSE
- Damper OPEN
- Reset

Digital Out potential-free
- Damper CLOSE
- Damper OPEN
- Manual operation
- Overload