

# Electric swinging actuator type ESW-07

May be utilized to drive globe valves, dampers (F12, F14, F16), trapdoors, blinds, and other closing components

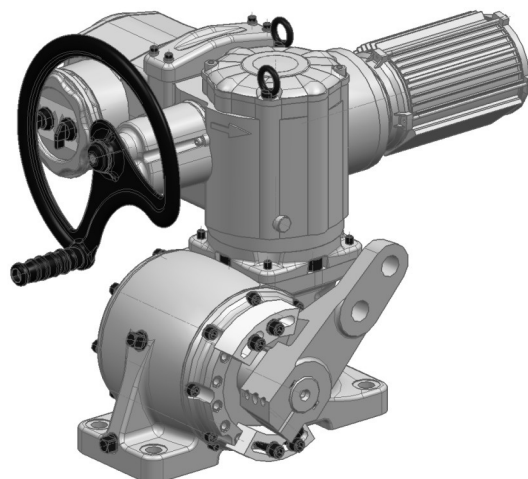
Compact design and module-based structure

Protection rating: IP65 or IP67

The device may also come with ESA-01 controller (optional)

## Recommended range of applications

The ESW-01 electric swinging actuator shall be used to drive closing components, which require a significant amount of torque to work properly. The actuator is designed in such a way that it can be directly connected to globe valves, dampers and gate valves, as well as to control trapdoors and blinds by means of knuckles and strands. The actuator may also incorporate additional components, such as position adjustment module and ESA-01 controller. The latter may be used to control both binary and continuous signals. The ESW-07 actuator may be utilized as a replacement of such actuators as: ESW-16, ESW-26 (available on demand only), ESW-19, and ESW-20.



## Technical specification:

<b>Power supply:</b>	3x400 V AC <sup>10%</sup> <sub>-15%</sub> , 50 Hz
<b>Torque:</b>	500 Nm; 630 Nm; 1000 Nm; 1500 Nm; 2000 Nm; 4000 Nm
<b>Rotating speed:</b>	90° /min.; 180° /min.
<b>Rotation angle:</b>	90°, 120°, 30° ÷ 180° (depending on ordered version)
<b>Operation type:</b>	S2-30 min. S4-25% max. 1200 c/h
<b>Control signal</b>	No external controller: change of order of engine feeding phases External controller: analog continuous signal 4...20 mA or binary signal 24 V DC/12 mA
<b>Position adjustment signal:</b>	4...20 mA
<b>Protection rating:</b>	IP65 or IP67
<b>Operation temperature:</b>	od -25°C...+70°C (normal operation) od -40°C...+55°C (operation in low temperatures)
<b>Working position:</b>	Unrestricted
<b>Vibration level:</b>	<7,1 mm/s
<b>Relative humidity:</b>	up to 95%, including temporal condensation
<b>Recommended grease:</b>	Gadus S2V220 0 prod. Shell
<b>Weight:</b>	approx. 37 ÷ 100 kg
<b>Microswitches:</b>	type 83.133
- AC-15 category:	2,5 A - for U <sub>e</sub> = 230 V 50 do 60 Hz
- AC-13 category:	0,3 A - for U <sub>e</sub> = 230 V DC
	Min. voltage and current: 10 V, 20 mA