Electric actuators

HEMEX... and HEMPA...

High-speed electric actuators in explosion-proof
and general-purpose industrial designs with IP66



HEMAH

2026

Reliable operation
The simplicity of the design ensures resistance to external factors and a long service life

High energy efficiency
Minimal power consumption due to high efficiency

Closing speed less than 3 seconds
The spring-loaded mechanism closes in less than 3 seconds, which significantly improves the safety of production processes

Easy installation
Quick integration into the system without an additional mounting box (built into the electric actuator)

Certified protection
HEMEX model range actuators fully comply with the requirements for explosion-proof connections, outperforming similar products from competitors

Low temperatures operation
An electric actuator with a heating option can be used at temperatures up to -60 °C

Made in Russia
Russian manufacturer reliability with a full development and production cycle within the Russian Federation

IP66

MADE IN RUSSIA

HEMEX– explosion-proof version of HEMPA actuators

Appliances specifically designed for use in hazardous environments where there is a risk of explosion or ignition

Explosion-proof enclosure – calm under the hazardous conditions

Maximum protection for internal mechanisms
Protection from external influences and operational safety in the core

Best Choice for the Oil, Gas, and Chemical Industries
Where there are flammable gases and vapors

Guarante of 3 seconds running time
This is a unique feature that is critical to security systems

Allows for quick integration of the actuator into existing systems
due it is easy to install and configure

IP66
Applies to the entire line of products

Additional corrosion protection in the «marine» design
For harsh natural conditions and resistance to weathering

Ex-proof marking
1Ex db IIC T6 Gb



Return spring

Electrical parameters

HEMEX-S24-12 HEMEX-MS24-12 HEMPA-S24-12	HEMEX-S230-12 HEMEX-MS230-12 HEMPA-S230-12
Nominal voltage	
24 V=/~	230 V~ 50/60 Hz
Rated voltage range	
21,6...28,8 V=	198...264 V~
Power consumption	
In operation	
50 W	50 W
In rest position	
5 W	11 W
Design power	
62,5 VA Imax 3 A at t = 5 ms	62,5 VA Imax 1 A at t = 5 ms
2 auxiliary switches	
6 A, 250 V~; 0,1A, 80 V=	
Switching points	5°, 80°
Alarm Accuracy	±3°

Electrical installation

Connection to external electrical circuits	Terminal block Connecting wires section 0,5-2,5 mm²
Cable glands	Crimped cable diameter 3–12 mm
Option	
Power/Control	Cable 2×0,75 mm²
Auxiliary switches	Cable 6×0,75 mm²

Functional data

Torque	
Motor	14 Nm
Spring	12 Nm
Direction of motion	Selectable by mounting L/R
Mechanical interface	12,2×12,2 mm
Angle of rotation	Max 95°
Position indication	Mechanical
Running time	
Motor	< 7 s / 90°
Spring	< 3 s at ambient temperature = 20 °C

Safety data

Enclosure protection rating	IP66
Protection against electric shock	I class – 230 V III class– 24 V
Ambient Temperature	
Without actuator heating option	-30...+50 °C
With actuator heating option	-60...+50 °C
Storage temperature	-40...+70 °C

Weight

HEMEX-S24-12 HEMEX-MS24-12 HEMPA-S24-12	HEMEX-S230-12 HEMEX-MS230-12 HEMPA-S230-12
Maximum 9 kg	Maximum 9 kg

Manual control of the electric actuator is applicable

Non-return spring

Electrical parameters

HEMEX-24-14 HEMEX-M24-14 HEMPA-24-14	HEMEX-230-14 HEMEX-M230-14 HEMPA-230-14
Nominal voltage	
24 V=/~	230 V~ 50/60 Hz
Rated voltage range	
21,6...28,8 V=	198...264 V~
Power consumption	
In operation	
50 W	50 W
In rest position	
5 W	11 W
Design power	
62,5 VA Imax 3 A at t = 5 мс	62,5 VA Imax 1 A at t = 5 ms

2 auxiliary switches
6 A, 250 V~; 0,1A, 80 V=

Switching points	5°, 80°
Alarm Accuracy	±3°

Electrical installation

Connection to external electrical circuits	Terminal block Connecting wires section 0,5-2,5 mm²
Cable glands	Crimped cable diameter 3–12 mm

Option

Power/Control	Cable 3×0,75 mm²
Auxiliary switches	Cable 6×0,75 mm²

Functional data

Torque	
Motor	14 Nm
~~No spring~~	-
Direction of motion	Selectable by mounting L/R
Mechanical interface	12,2×12,2 mm
Angle of rotation	Max 95°
Position indication	Mechanical
Running time	
Motor	< 7 s / 90°
~~No spring~~	-

Safety data

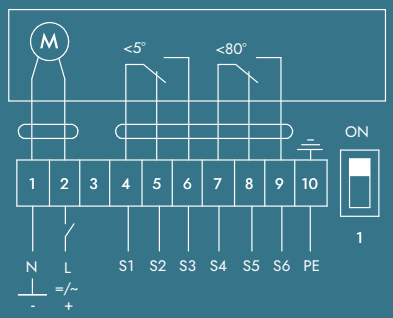
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Maximum 9 kg	Maximum 9 kg

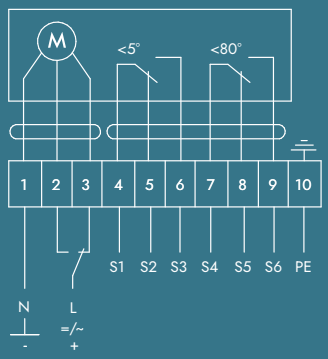
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Electrical installation



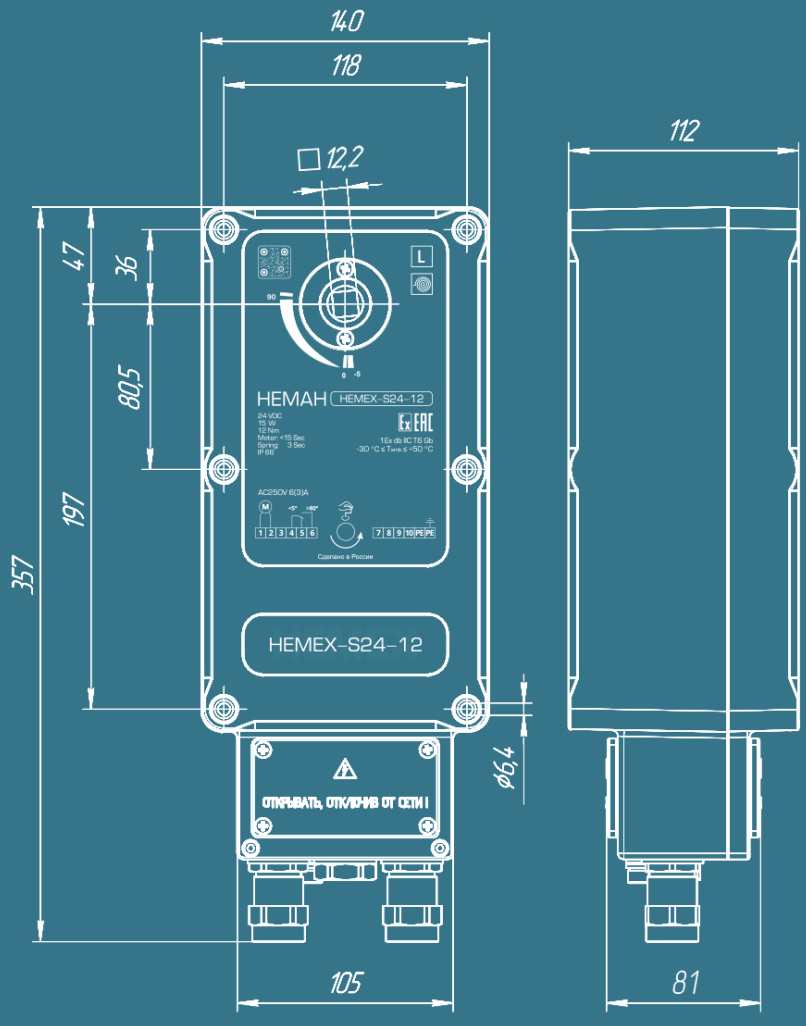
Spring return

Upon completion of the commissioning procedures, isolate the power supply and set the switch to the "1" position!



Non-return spring

Overall dimensions, mm



Service life
>1000
full cycles

Wide
range

Quality straight from
the manufacturer

Fast
delivery

Full
support



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