

S8000 - 2P ND

FIRST ELECTRIC ACTUATORS EMV 110

with Clip system for 2-way and 3-way valves



2-POINT CONTROL	1 / 0	STOP AT END POSITIONS
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Redesigned housing



FIRST actuators EMV 110, series S8000 2P ND, are 2-point control actuators designed for operating 2-way and 3-way valves with clip system.

- The FIRST S8000 2P ND actuators have not defined (ND) direction of rotation with range of 60° or 90°.
- Actuators are available with cable or molex connection without manual control handle.
- Recommended for diverting and on/off applications.

OPERATION

S8000 2P ND is an electric actuator designed for operating 2-way and 3-way valves. Actuators are controlled by 2-point SPST signal built-in relay module. FIRST S8000 2P ND actuators allow high regulating accuracy and easy installation with one-click CLIP system.

Actuators are available in 230 V AC or 24 V AC 50 Hz and are supplied with a 1m attached connection cable or Molex connector.

Actuators S89i0 (8s/60°) are recommended for diverting applications with FDV 530C valves and actuators S89P0 (12s/90°) are recommended for on/off applications with 2-way valves.

Anti blocking function provides that in case of blockade the motor changes its direction. Because of that feature, the motor is able to save itself from stopping.

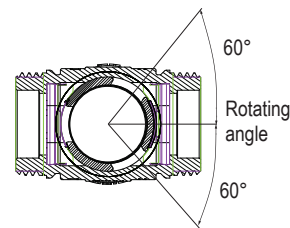
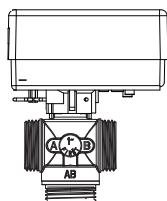
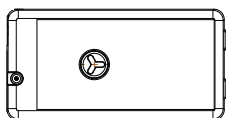
MAINTENANCE

Actuator requires no maintenance. The installation of suitable strainer is recommended.

INSTALLATION POSITION

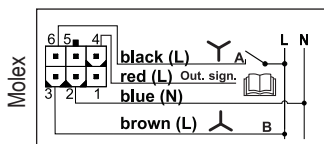
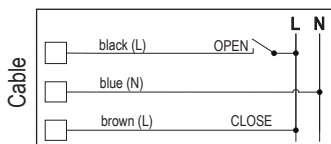
Actuator can be installed only in one position.

S89i0 with FDV 530C valves for diverting applications.

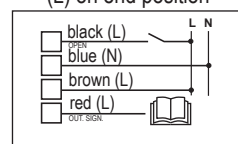


ELECTRICAL CONNECTION

2-point control SPST.



Option: Cable version with output signal (L) on end position



SUITABLE VALVES

FDV 530C



CLIP SYSTEM

Compact design of the valve allows easy assembling and disassembling. Clip system allows easy installation of the actuator on the valve body with single click, without any tools.



In accordance with PED, LVD, RoHS2, EMC



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Let First be your first choice.

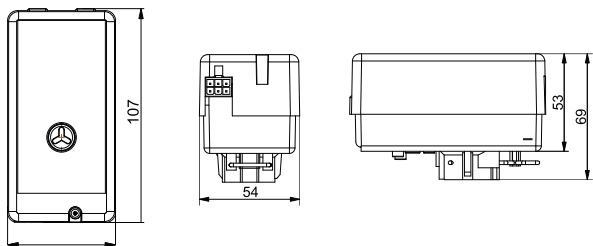


S8000 - 2P ND

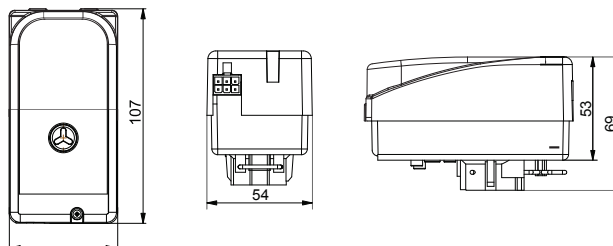
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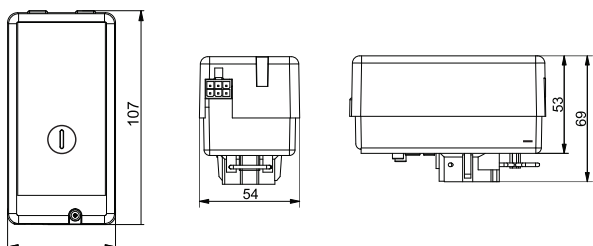
S8000 2P ND - S89i0 (with classic housing)



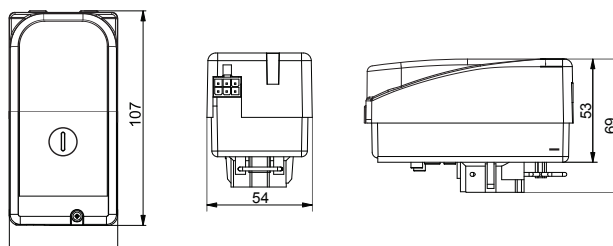
S89i0 (with redesigned housing)



S8000 2P ND - S89P0 (with classic housing)



S89P0 (with redesigned housing)



S8000 2P ND, for vertical 3-way rotary valves (60° rotation)

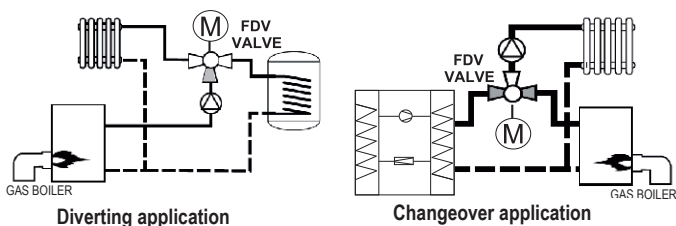
Code	Type	Voltage	Rotation time	Control signal	Connection	Max. torque [Nm]	Weight [kg]	Price (€)
10522	S89i0-M 2P ND	230 VAC 50 Hz	8s/60°	2-point SPST	Molex	5	0,33	
10526	S89i0-K 2P ND	230 VAC 50 Hz	8s/60°	2-point SPST	Cable	5	0,48	

S8000 2P ND, for 2-way valves (90° rotation)

Code	Type	Voltage	Rotation time	Control signal	Connection	Max. torque [Nm]	Weight [kg]	Price (€)
10570	S89P0-M 2P ND	230 VAC 50 Hz	12s/90°	2-point SPST	Molex	5	0,33	
10571	S89P0-K 2P ND	230 VAC 50 Hz	12s/90°	2-point SPST	Cable	5	0,48	

Installation examples

Actuator **S89i0** with **FDV 530C** rotary valves installation example.



Features and options

- **Power supply:** 230V 50Hz or 24V 50Hz
- **Connection:** Molex connector (IP40) or cable (3x0,75mm² l=1m)- (IP44).
- **Different running times:** 8s/60°, 12s/90°.
- **Solar/cooling adapter:** Heat barrier for protection of the actuator in solar or cooling systems.
- **Output signal (L):** at end position.