

S6061SF-05 series fire smoke damper actuator

Summary:

Specially designed for small and medium air damper and control unit used in air volume system. Because of its small size and flexible control, it usually used in such places where the space is limited.



Features:

- Shaft size up to 12* 12mm
- On/off type can be controlled by manual
- Two fixed auxiliary switches available
- Using fixed, compact and anti-impact steel shell.
- With IP54 standard
- Used in different mounting size mandril accessories that with fireproofing and mounting easily.

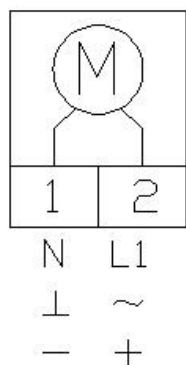
Technical datasheet:

Item	S6061SF-05DF(S)/24V	S6061SF-05DF(S)/220V	S6061SF-05AF/24V
Torque	5Nm		
Damper area	1m ²		
Power supply	24VAC/DC 50/60Hz	AC90~250V 50/60Hz	24VAC/DC 50/60Hz
Operating Power Consumption	5W		
At end stops Power Consumption	2.5W		
Running time	Motor 70S; Spring return 20S	Motor 120S; Spring return 20S	
Wire size	10VA	7VA	
Weight	1.6Kg		
Control signal	On/off	0~10V	
Rotation angle	0~90° (max 93°)		
Auxiliary switch rating	3 (1.5) Amp 250V		
Life cycle	70000		
Noise	50dB(A) and 62dB(A)		
Electric level	III	II	III
IP protection	IP54		
Temperature	-20~+50°C		
Humidity	5~95%RH		
Storage temperature	-40~+70°C		
Certificate	CE & UL		
72°C thermal sensor	S6061SF-05DF(S)/24V (yes)		S6061SF-05DF(S)/220V (yes)
	S6061SF-05DF/24V (no)		S6061SF-05DF/220V (no)

Note: There is no manual function for S6061SF-05AF/24V and just one auxiliary switch.

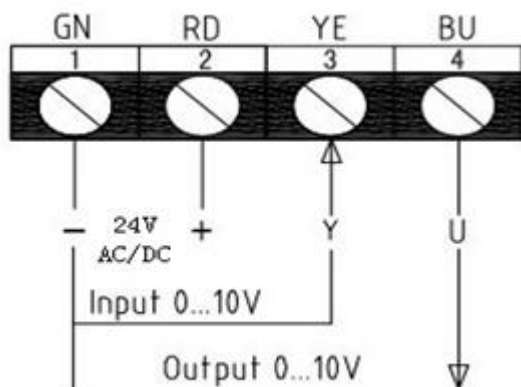
Wiring diagram:

S6061SF-05D:

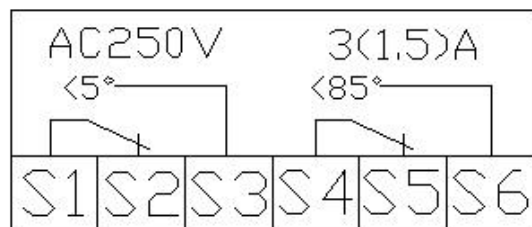


24VAC/DC ± 10%
230VAC ± 10%

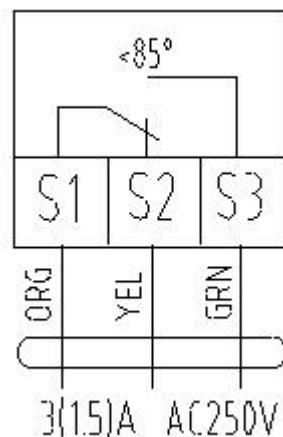
S6061SF-05A:



Auxiliary switch:



S6061SF-05D



S6061SF-05A

Notice: manual operation instruction

Insert the hand handle into the hex hole, smoothly and slowly turn around the handle by clockwise (or counter clockwise) rotation, according to the diagram of the product label. At the same time, the outputshaft will follow and turn by clockwise (or counter clockwise) rotation. When the outputshaft moves to the required position, then turn the handle conversely by counter clockwise rapidly (or clockwise) with 90° , (Should not use the manual lock while the turbine springs is bouncing back, otherwise, the fast reversing standstill locking part could bumps into the springs. And the result of manual lock-on system would be malfunctioned.) meanwhile the outputshaft will be blocked. Then turn slightly the handle by another clockwise (or counter clockwise), the outputshaft will move again.

[Attention]:Please do not operate manually when the actuator is speedy rebounding, otherwise it causes easily unlocking by manual or assembly damage.

Dimension:

