

5 Nm | 2-POINT CONTROL, SPRING RETURN



The appearance of the product may differ from the illustration. Technical specifications are subject to change.

NAFA...05 (S1) SERIES

NAFA series Spring Return actuators are developed for general air damper application, rotary valve and other devices which require a fail-safe function. During normal operation, the actuator motorized the device. In the event of power outage, the actuator springs back to its original position.

	Torque: 5 Nm
	Damper size 1.0 m ²
	Power supply 24 $V_{\text{AC/DC}}$ and 230 V_{AC}
	2-point control
	Shaft dimensions – Ø 1016 mm / square 711 mm
	Minimum shaft length 40 mm
	Adjustable angle of rotation
•	Direction of rotation selectable by reversing actuator during installation
	Actuator with 1 m connection cable
	Optional 1 adjustable SPDT auxiliary switch

MODEL SELECTION TABLE					
Model/type	Torque	Power supply	Running time	Auxiliary switches	
NAFA 1-05	5 Nm	24 V _{AC/DC} ± 10%	5080 s (spring return <25 s)		
NAFA 1-05S1	5 Nm	24 V _{AC/DC} ± 10%	5080 s (spring return <25 s)	1 x SPDT (adjustable)	
NAFA 2-05	5 Nm	230 V _{AC} ± 10%	5080 s (spring return <25 s)	-	
NAFA 2-05S1	5 Nm	$230 V_{AC} \pm 10\%$	5080 s (spring return <25 s)	1 x SPDT (adjustable)	



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TECHNICAL SPECIFICATION

	NAFA 1-05 (S1)	NAFA 2-05 (S1)
Torque	5 Nm	5 Nm
Damper size	1.0 m ²	1.0 m ²
Shaft dimensions	Ø 1016 mm / 🗆 711 mm	Ø 1016 mm / 🗆 711 mm
Power supply	24 V _{AC/DC} ± 10%	230 V _{AC} ± 10%
Frequency	5060Hz	5060Hz
Control signal	2-point control	2-point control
Power consumption		
In operation	7.2 W	7.2 W
End position	2.5 W	2.5 W
Rated power	10.0 VA	10.0 VA
Electrical connections	Cable 1 m	Cable 1 m
Auxiliary switch rating	3 (1.5) A / 250 V _{AC}	3 (1.5) A / 250 V _{AC}
Protection class	Class III 👁	Class II
Angle of rotation	90° (95° mechanical limitation)	90° (95° mechanical limitation)
Weight	<1.8 kg	<1.8 kg
Durability	60,000 rotations	60,000 rotations
Sound level	40 dB	40 dB
IP protection class	IP54	IP54
Working temperature range	-20°C50°C as per IEC 721-3-3	-20°C50°C as per IEC 721-3-3
Storage temperature	-30°C+60°C / IEC 721-3-2	-30°C+60°C / IEC 721-3-2
Ambient humidity	595% rH (non condensing) / EN	595% rH (non condensing) / EN
Maintenance	Maintenance free	Maintenance free
Principle of operation	Type 1 (acc. to EN 60730-1)	Type 1 (acc. to EN 60730-1)
Electromagnetic compatibility	CE & ISO 9000 to EN / EEC	CE & ISO 9000 to EN / EEC



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