

5 Nm | 2-POINT & 3-POINT CONTROL



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

# NACA...05 (S1) SERIES

NACA standard damper actuators are specially designed and produced for applications in the HVAC Systems. Our wide range of Nenutec standard damper actuators has been developed to operate and position air dampers of different sizes.

 Torque: 5 Nm
 Damper size 1.0 m <sup>2</sup>
 Power supply 24 $V_{\text{AC/DC}}$ and 230 $V_{\text{AC}}$
 Shaft dimensions – Ø 615 mm / square 510.5 mm
Adapter supplied for From Fit 8 or 10 mm square
Minimum shaft length 45 mm
 Adjustable angle of rotation
 Direction of rotation selectable by switch
Actuator with 1 m connection cable
 Optional 1 adjustable SPDT auxiliary switch
Manual over ride by push button when required

Model/type	Torque	Power supply	Running time	Auxiliary switch
NACA 1-05	5 Nm	24 V <sub>AC/DC</sub> ± 10%	6090 s	
NACA 1-05S1	5 Nm	$24 V_{AC/DC} \pm 10\%$	6090 s	1 x SPDT (adjustable)
NACA 2-05	5 Nm	230 V <sub>AC</sub> ± 10%	6090 s	-
NACA 2-05S1	5 Nm	230 V <sub>AC</sub> ± 10%	6090 s	1 x SPDT (adjustable)



5 Nm | 2-POINT & 3-POINT CONTROL



#### **TECHNICAL SPECIFICATION**

	NACA 1-05 (S1)	NACA 2-05 (S1)
Torque	5 Nm	5 Nm
Damper size	1.0 m <sup>2</sup>	1.0 m <sup>2</sup>
Shaft dimensions	Ø 615 mm / 🗖 510.5 mm	Ø 615 mm / 🗖 510.5 mm
Power supply	24 V <sub>AC/DC</sub> ± 10%	230 V <sub>AC</sub> ± 10%
Frequency	5060Hz	5060Hz
Control signal	2- & 3-point control	2- & 3-point control
Power consumption		
In operation	4.0 W	4.0 W
End position	2.0 W	2.0 W
Rated power	4.0 VA	4.0 VA
Electrical Connection	1 m Cable	1 m Cable
Auxiliary switch rating	3 (1.5) A / 250 V <sub>AC</sub>	3 (1.5) A / 250 V <sub>AC</sub>
Protection class	Class III 👁	Class II 🛛
Angle of rotation	90° (95° mechanical limitation)	90° (95° mechanical limitation)
Weight	<0.7 kg	<0.7 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, UL 873 & ISO 9000 EN / EEC	CE, UL 873 & ISO 9000 EN / EEC



5 Nm | 2-POINT & 3-POINT CONTROL



www.nenutec.pl



5 Nm | 2-POINT & 3-POINT CONTROL



Connect via safety isolating transformer. 24 V<sub>AC/DC</sub>:

230 V<sub>AC</sub>: To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3mm contact gap.)

Consult NENUTEC representatives for specific requirements and material selections for your intended application. this entire technical datasheet The content of is protected by copyright. All rights are reserved ©.

The performance specifications are nominal and conform to acceptable industry standards. Nenutec shall not be liable for damages resulting from misapplication or misuse of its products.

Nenutec Polska

00-236 Warszawa ul. Świętojerska 5/7 tel.: +48-(0)-504-050225 nenutec@nenutec.pl

versions, e.g. with your own brand name, with colour-coordinated applications and with your particular demand on request.

For further information please contact us or our local representative.

