

5 Nm | 2-POINT CONTROL



# NEBA...05 (S1) SERIES

NEBA electronic return ball valve actuators are especially designed and produced for applications in the HVAC systems. Our wide range of standard valve actuators has been developed to operate and position ball valves of different sizes.

Torque: 5 Nm	
Valve size DN15 ( ${1}\!/_2^{\rm u})$ / DN20 ( ${3}\!/_4^{\rm u})$ / DN25 (1") / DN32 (1 ${1}\!/_4^{\rm u})$	
Power supply 24 $V_{\text{AC/DC}}$ and 230 $V_{\text{AC}}$	
Shaft dimension – 9 mm square (fixed)	
Direction of rotation selectable by switch	
Optional 1 adjustable SPDT auxiliary switch	
Actuator with 1 m connection cable	
Available in high neck and low neck versions	

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

Model/type	Torque	Power supply	Running time	Emergency function	Auxiliary switch
NEBA 1-05 LN	5 Nm	24 V <sub>AC/DC</sub> ± 10%	5055 s	20 s	-
NEBA 1-05 HN	5 Nm	24 V <sub>AC/DC</sub> ± 10%	5055 s	20 s	_
NEBA 1-05S1 LN	5 Nm	24 V <sub>AC/DC</sub> ± 10%	5055 s	20 s	1 x SPDT (adjustable)
NEBA 1-05S1 HN	5 Nm	$24 V_{AC/DC} \pm 10\%$	5055 s	20 s	1 x SPDT (adjustable)
NEBA 2-05 LN	5 Nm	230 V <sub>AC</sub> ± 10%	5055 s	20 s	
NEBA 2-05 HN	5 Nm	230 V <sub>AC</sub> ± 10%	5055 s	20 s	-
NEBA 2-05S1 LN	5 Nm	230 V <sub>AC</sub> ± 10%	5055 s	20 s	1 x SPDT (adjustable)
NEBA 2-05S1 HN	5 Nm	230 V <sub>AC</sub> ± 10%	5055 s	20 s	1 x SPDT (adjustable)



### 5 Nm | 2-POINT CONTROL



	NEBA 1-05 (S1)	NEBA 2-05 (S1)	
Torque	5 Nm	5 Nm	
Valve size	DN15 (1/2") / DN20 (3/4") / DN25 (1") / DN32 (11/4")	DN15 (1/2") / DN20 (3/4") / DN25 (1") / DN32 (11/4")	
Shaft dimensions	□ 9.0 mm (fixed)	□ 9.0 mm (fixed)	
Power supply	24 V <sub>AC/DC</sub> ± 10%	230 V <sub>AC</sub> ± 10%	
Frequency	5060Hz	5060Hz	
Control signal	2-point control	2-point control	
Power consumption			
In operation	8.7 W	8.7 W	
End position	1.2 W	1.2 W	
Rated power	14.0 VA	14.0 VA	
Electrical connections	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	<0.8 kg	<0.8 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	



#### 5 Nm | 2-POINT CONTROL



www.nenutec.pl



### 5 Nm | 2-POINT CONTROL



#### **IMPORTANT REMARKS**

This actuator includes electrical and electronic components and may not be disposed as household waste. Please consider the local valid legislation.

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

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. The entire content of this technical datasheet 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.

#### **CUSTOMISED VERSION**

NENUTEC offers you actuators in customised versions, e.g. with your own brand name, with colourcoordinated applications and with your particular demand on request.

For further information please contact us or our local representative.

#### Nenutec Polska

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