



6 Nm / 10 Nm | 2-POINT CONTROL



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

# NECA...06/10 (S1) SERIES

NECA series actuators with Electronic Return® (ER) function are designed and produced for extended functionalities in HVAC systems fan coil and laboratory applications.

Electronic Return® (ER) is able to manage short voltage interruptions for max. 4 seconds. In case of longer voltage interruption actuator will move the damper or valve to a predefined emergency position (EPS).

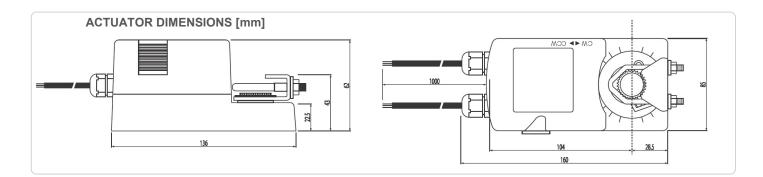
Torque 6 Nm / 10 Nm.
 For damper size ca. 1.0 m <sup>2</sup> / 2.0 m <sup>2</sup> .
 Power supply 24 $V_{\text{AC / DC}}$ and 230 $V_{\text{AC}}$
 2-point control.
 Manual over-ride push button.
 Shaft dimension: Ø 1020 mm / square <sup>[]</sup> 515 mm.
 Minimum shaft length 40 mm.
 Selectable direction of rotation by switch.
 Adjustable angle of rotation.
Actuator available with 1 m connection cable.
Optional 1 adjustable SPDT auxiliary switch.
 Customised versions and functions (on request).

Torque	Running time	Return time – safety function	Power supply	Auxiliary switch	Model/type
6 Nm	6080 s	40 s	24 V <sub>AC/DC</sub> ± 10%	No	NECA 1-06
6 Nm	6080 s	40 s	24 V <sub>AC/DC</sub> ± 10%	1 x SPDT (adjustable)	NECA 1-06 S1
6 Nm	6080 s	40 s	230 V <sub>AC</sub> ± 10%	No	NECA 2-06
6 Nm	6080 s	40 s	230 V <sub>AC</sub> ± 10%	1 x SPDT (adjustable)	NECA 2-06 S1
10 Nm	6080 s	40 s	24 V <sub>AC/DC</sub> ± 10%	No	NECA 1-10
10 Nm	6080 s	40 s	24 V <sub>AC/DC</sub> ± 10%	1 x SPDT (adjustable)	NECA 1-10 S1
10 Nm	6080 s	40 s	230 V <sub>AC</sub> ± 10%	No	NECA 2-10
10 Nm	6080 s	40 s	230 V <sub>AC</sub> ± 10%	1 x SPDT (adjustable)	NECA 2-10 S1





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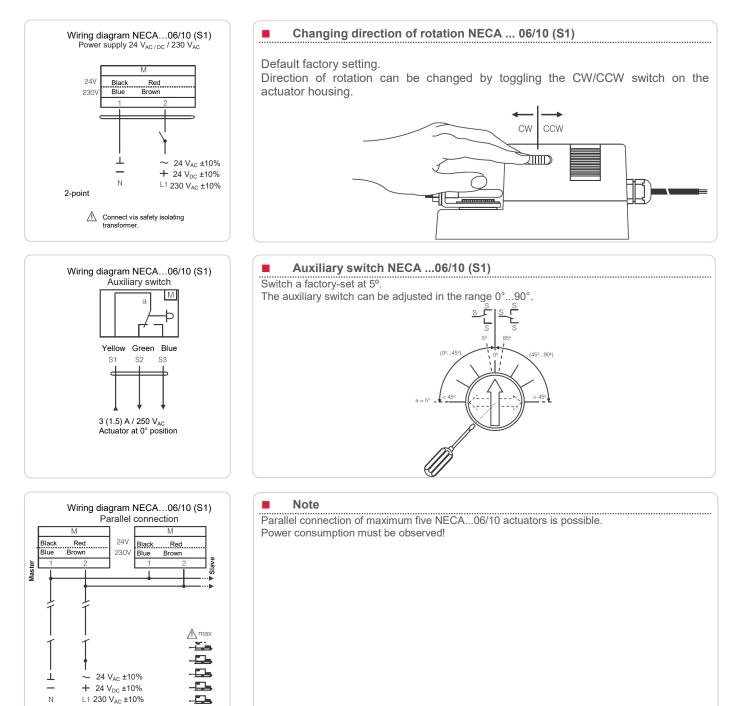
### TECHNICAL SPECIFICATION

	NECA 1-06/10 (S1)	NECA 2-06/10 (S1)
Torque	6 Nm / 10 Nm	6 Nm / 10 Nm
Damper size	1.0 m <sup>2</sup> / 2.0 m <sup>2</sup>	1.0 m <sup>2</sup> / 2.0 m <sup>2</sup>
Shaft dimensions	Ø 1020 mm / square 🗇 515 mm	Ø 1020 mm / square 増 515 mm
Power supply	24 V <sub>AC/DC</sub> ± 10%	230 V <sub>AC</sub> ± 10%
Frequency	5060 Hz	5060 Hz
Control signal	2 point control	2 point control
Power consumption		
– Operating	7.2 W	7.2 W
<ul> <li>At end position</li> </ul>	1.2 W	1.2 W
Rated power	10.0 VA	10.0 VA
Auxiliary switch rating	3(1.5) A/ 250 V <sub>AC</sub>	3(1.5) A/ 250 V <sub>AC</sub>
Protection class	ш 🗇	
Electrical wiring	1 m Cable	1 m Cable
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	< 45 dB	< 45 dB
Protection degree	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
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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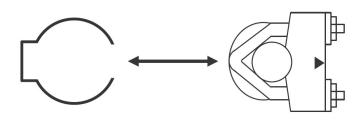




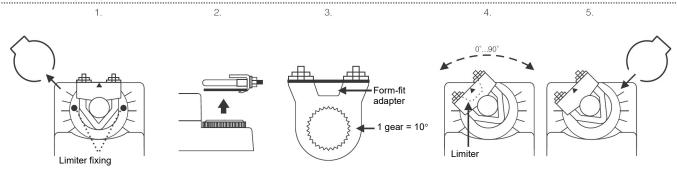


### 6 Nm / 10 Nm | 2-POINT CONTROL

### Releasing the adapter NECA...06/10 (S1)



Limiting angle rotation NECA ...06/10 (S1)



## A 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 3 mm 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.

#### Nenutec Polska

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

### **IMPORTANT REMARK**

The NENUTEC NECA...(S1) actuator series can be equipped with a variety of NENUTEC products as characterized 2-way und 3-way ball valves of NVCB series.

Contact NENUTEC representatives or factory for the specific requirements and material selection for your intended application.

### **CUSTOMISED VERSION**

NENUTEC offers you actuators in customised 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.