



6 Nm / 10 Nm | MODULATING CONTROL



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

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

NECM 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).

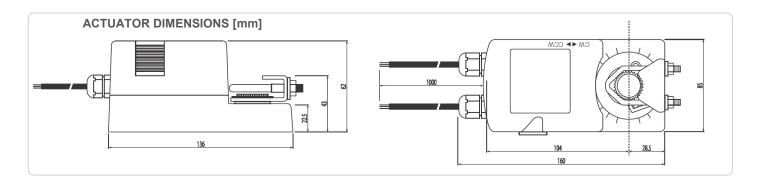
	Torque 6 Nm / 10 Nm.
	For damper size ca. 1.0 m <sup>2</sup> / 2.0 m <sup>2</sup> .
	Power supply 24 V <sub>AC / DC</sub>
	Modulating control 0(2)10 $V_{DC}$ and 0(4)20 mA.
	Manual over-ride push button.
•	Shaft dimension: Ø 1020 mm / square <sup>[]</sup> 515 mm.
	Minimum shaft length 45 mm.
	Selectable direction of rotation by switch.
	Adjustable angle of rotation.
	Actuator available with 1 m connection cable.
	Optional 1 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	NECM 1.1-06
6 Nm	6080 s	40 s	24 V <sub>AC/DC</sub> ± 10%	1 x SPDT	NECM 1.1-06S1
10 Nm	6080 s	40 s	24 V <sub>AC/DC</sub> ± 10%	No	NECM 1.1-10
10 Nm	6080 s	40 s	24 V <sub>AC/DC</sub> ± 10%	1 x SPDT	NECM 1.1-10S1





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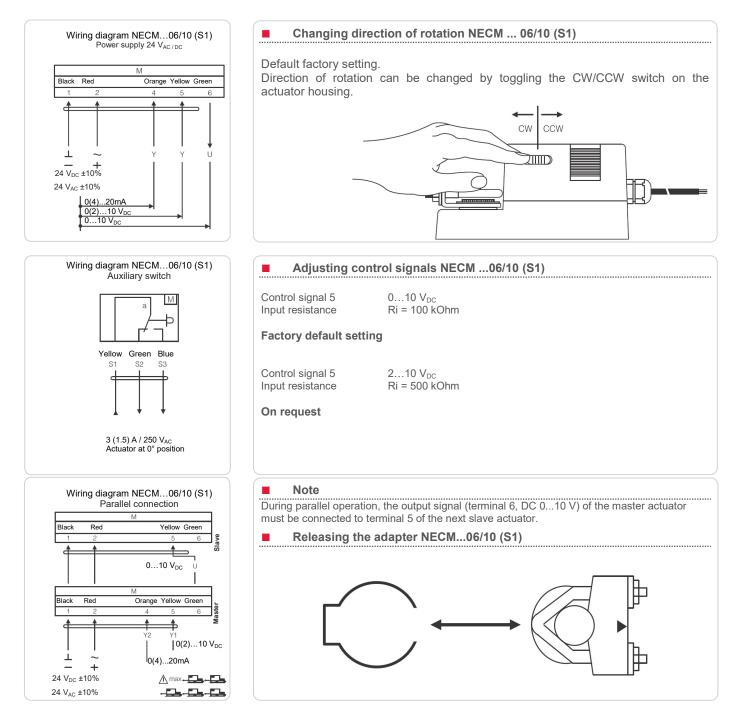


	NECM 1.1-06/10 (S1)
Torque	6 Nm / 10 Nm
Damper size	1.0 m <sup>2</sup> / 2.0 m <sup>2</sup>
Shaft dimensions	Ø 1020 mm / square 🗐 515 mm
Power supply	24 V <sub>AC/DC</sub> ± 10%
Frequency	5060 Hz
Control signal (input)	0(2)10 V <sub>DC</sub> ,0(4)20 mA
Position signal (output)	010 V <sub>DC</sub>
Power consumption	
– Operating	7.2 W
<ul> <li>At end position</li> </ul>	1.2 W
Rated power	6.5 VA
Protection class	ш 🗇
Auxiliary switches rating	3 (1.5) A/250 V <sub>AC</sub>
Electrical wiring	1 m Cable
Angle of rotation	90° (95° mechanical limitation)
Weight	<1.0 kg
Durability	60,000 rotations
Sound level	40 dB
Protection degree	IP54
Working temperature range	-20°C50°C as per IEC 721-3-3
Storage temperature	-30°C+60°C / IEC 721-3-2
Humidity	595% rH (non condensing) / EN
Maintenance	Maintenance free
Principle of operation	Type 1 (acc. to EN 60730-1)
Electromagnetic compatibility	CE & ISO 9000 to EN / EEC





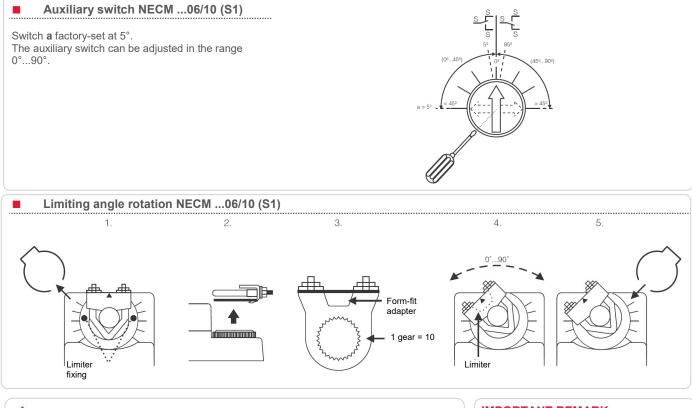
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## M IMPORTANT REMARKS

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.

#### **IMPORTANT REMARK**

The NENUTEC NECM...(S1) actuator series can be equipped with a variety of NENUTEC products characterized 2-way und 3-way ball valves of NVCB... series and NPG-1 position transmitter accessories.

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.

#### Nenutec Polska

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