NABA...05 (S1) SERIES

VALVE AND VALVE ACTUATOR 2/3 POINT CONTROL



NABA...05 (S1) SERIES

NABA series standard 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.

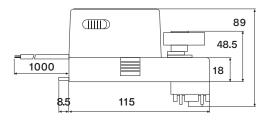
PRODUCT FEATURE

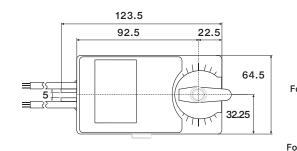
- Torque 5 Nm
- Valve size DN15(1/2") / DN20(3/4") / DN25(1") / DN32(11/4")
- Power supply AC/DC 24V or AC 230V
- Shaft dimensions □ 9.0 mm (fixed)
- Selectable direction of rotation of reversing actuator
- Optional 1 adjustable SPDT auxiliary switch
- Available in high neck and low neck

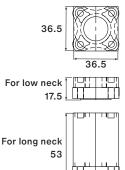
MODEL SELECTION TABLE

MODEL / TYPE	TORQUE	POWER SUPPLY	RUNNING TIME	AUXILIARY SWITCH
NABA 1-05 LN	5 Nm	AC/DC 24 V ± 10%	70100 sec	-
NABA 1-05 HN	5 Nm	AC/DC 24 V ± 10%	70100 sec	-
NABA 1-05S1 LN	5 Nm	AC/DC 24 V ± 10%	70100 sec	1 x SPDT (Adjustable)
NABA 1-05S1 HN	5 Nm	AC/DC 24 V ± 10%	70100 sec	1 x SPDT (Adjustable)
NABA 2-05 LN	5 Nm	AC 230 V ± 10%	70100 sec	-
NABA 2-05 HN	5 Nm	AC 230 V ± 10%	70100 sec	-
NABA 2-05S1 LN	5 Nm	AC 230 V ± 10%	70100 sec	1 x SPDT (Adjustable)
NABA 2-05S1 HN	5 Nm	AC 230 V ± 10%	70100 sec	1 x SPDT (Adjustable)

DIMENSION (mm)







TECHNICAL SPECIFICATION

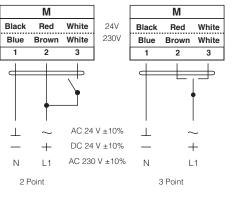
MODEL NUMBER	NABA 1-05 (S1)	NABA 2-05 (S1)	
TORQUE	5 Nm	5 Nm	
DAMPER SIZE	DN15(1/2") / DN20(3/4") / DN25(1") / DN32(11/4")	DN15(1/2") / DN20(3/4") / DN25(1") / DN32(11/4")	
SHAFT DIMENSION	□ 9.0 mm (fixed)*	□ 9.0 mm (fixed)*	
POWER SUPPLY	AC/DC 24 V ± 10%	AC 230 V ± 10%	
FREQUENCY	5060 Hz	5060 Hz	
CONTROL SIGNAL	2/3 point control	2/3 point control	
POWER CONSUMPTION			
• OPERATING	2.0 W	1.0 W	
END POSITION	2.0 W	1.0 W	
FOR WIRE SIZING	4.0 VA	4.0 VA	
ELECTRICAL CONNECTION	1 m Cable	1 m Cable	
AUXILIARY SWITCH RATING	2 (1.5) A, AC 250 V	2 (1.5) A, AC 250 V	
PROTECTION CLASS	Class III 🚸	Class II 🛛	
ANGLE OF ROTATION	90° (95° mechanical)	90° (95° mechanical)	
WEIGHT	0.55 Kg	0.55 Kg	
LIFE CYCLE	60,000 Rotation	60,000 Rotation	
SOUND LEVEL	40 dB	40 dB	
IP PROTECTION	IP54	IP54	
OPERATING TEMPERATURE	-20°50° as per IEC 721-3-3	-20°50° as per IEC 721-3-3	
NON-OPERATING TEMPERATURE	-30°+60° C / IEC 721-3-2	-30°+60° C / IEC 721-3-2	
AMBIENT HUMIDITY	5%95% rH non condensing / EN	5%95% rH non condensing / EN	
MAINTENANCE	Maintenance Free	Maintenance Free	
MODE OF OPERATION	Type I / EN 60730-1	Type I / EN 60730-1	
EMC	CE & ISO 9000 EN / EEC	CE & ISO 9000 EN / EEC	

*Note that shaft dimension has a tolerance offset of \pm 0.2mm.

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WIRING DIAGRAM NABA...05 (S1) POWER SUPPLY AC/DC 24V OR AC 230V

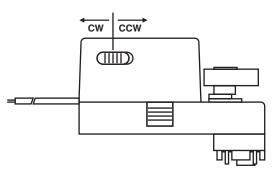


A Connect via safety isolating transformer

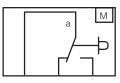
DIRECTION OF ROTATION NABA...05 (S1)

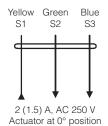
Default factory setting: CCW.

Direction of rotation can be change by toggling between CW/ CCW switch on the actuator's housing.

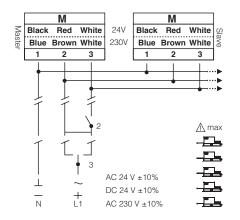


WIRING DIAGRAM NABA...05 (S1) AUXILIARY SWITCH





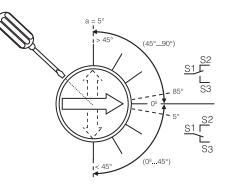
WIRING DIAGRAM NABA...05 (S1) PARALLEL CONNECTION



AUXILIARY SWITCH NABA...05 (S1)

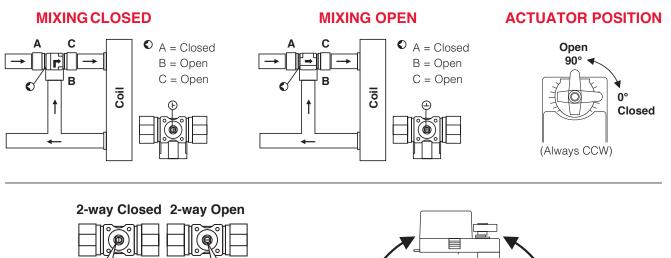
Auxiliary switch (a) factory-set at 5°.

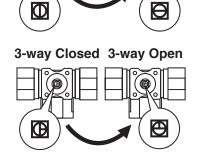
Auxiliary switch (a) can be optimally adjusted between 0°...90°.

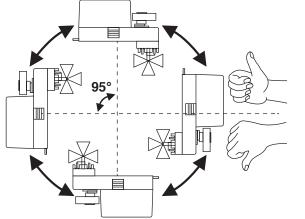


REMARK

Parallel connection of NABA...05 (S1) actuators are limited to 5. Power consumption must be observe.







IMPORTANT REMARK

For special requirement, consult your local Nenutec's representative.



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

Connect via safety isolating transformer. 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.)

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.