

Technical data sheet

NRYD24-3-SI

RETRO FIT

Short-stroke actuator for the motorisation of Siemens short-stroke globe valves in HVAC systems

- Actuating force 400 N
- Nominal voltage AC 24 V
- Control 3-point
- Stroke 5.5 mm



Technical data		
Electrical data	Nominal voltage	AC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.228.8 V
	Power consumption in operation	1.5 W
	Power consumption for wire sizing	3 VA
	Connection supply / control	Cable 1 m, 3 x 0.75 mm ²
	Parallel operation	No
Functional data	Actuating force motor	400 N
	Manual override	temporary and permanent gear train disengagement with rotary knob on the housing
	Stroke	5.5 mm
	Running time motor	35 s / 5.5 mm
	Duty cycle value	75% (= active time 35 s / operating time 47 s)
	Sound power level, motor	45 dB(A)
	Position indication	Reversible scale plate
Safety data	Protection class IEC/EN	III, Safety Extra-Low Voltage (SELV)
	Degree of protection IEC/EN	IP40
	EMC	CE according to 2014/30/EU
	Mode of operation	Type 1
	Rated impulse voltage supply / control	0.8 kV
	Pollution degree	3
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	050°C [32122°F]
	Storage temperature	-3080°C [-22176°F]
	Servicing	maintenance-free

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	Servicing	maintenance-free	
Weight	Weight	0.51 kg	
Housing colours	Housing cover	orange	



Safety notes



- This device has been designed for use in stationary heating, ventilation and air-conditioning
 systems and must not be used outside the specified field of application, especially in aircraft or
 in any other airborne means of transport.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The actuator is to be protected against moisture. It is not suitable for outdoor applications.
- The device does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

Simple direct mounting Stra

Straightforward direct mounting on the valve with one knurled nut.

Manual override

Manual override with lever possible. Temporary gear train disengagement by pushing the rotary knob. Permanent disengagement by pushing and simultaneous rotating the rotary knob clockwise 90°.

High functional reliability

The actuator is overload protected and automatically stops when the end stop is reached.

Accessories

Electrical accessories

Description	Туре
Auxiliary switch 1 x SPDT for 3-point HT actuators with cable connection	SNR

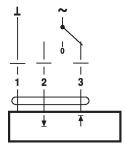
Electrical installation



Supply from isolating transformer.

Wiring diagrams

AC 24 V, 3-point





Dimensions

