Technical data sheet Short-stroke actuator for the motorisation of

RETRO FIT

NRDVX24-3-T-SI

- Siemens short-stroke globe valves in HVAC systems
- Actuating force 500 N
- Nominal voltage AC 24 V
- Control 3-point
- Stroke 5.5 mm



Technical data

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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	1.5 VA
Connection supply / control	Terminals 4 mm² (cable Ø68 mm, 3-wire)
Parallel operation	No
Actuating force motor	500 N

Functional data

Actuating force motor	500 N	
Manual override	temporary and permanent gear disengagement with rotary knob on the housing	
Stroke	5.5 mm	
Actuator-valve interface	G 3/4"	
Running time motor	140 s / 5.5 mm	
Duty cycle value	75% (= active time 140 s / operating time 187 s)	
Sound power level, motor	35 dB(A)	
Position indication	Reversible scale plate	
Protection class IEC/EN	III Cafaty Extra Law Valtaga (SELV)	

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	
Control pollution degree	3	
Ambient temperature	050°C	
Storage temperature	-3080°C	
Ambient humidity	Max. 95% r.H., non-condensing	
Servicing	maintenance-free	
Weight	0.38 kg	

Safety notes



Weight

- 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.
- The correct functioning of the strain relief for the cable in the actuator housing is to be checked.



Product features

Simple direct mounting

Straightforward direct mounting on the valve with one knurled nut.

Manual override

Manual override with lever possible. Temporary gear 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

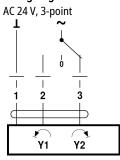
Electrical accessories	Description	Туре
	Auxiliary switch 1 x SPDT for 3-point HT actuators with screw terminals	SNR2

Electrical installation



Supply from isolating transformer.

Wiring diagrams



Dimensions

Dimensional drawings

