

### Characteristics of actuators of type STE

- Actuators of type STE work with a power supply of 230 V AC. They can be connected directly to the mains.
- The angle of rotation is set by means of a potentiometer. This permits simple adjustment of the angular area on site.
- Short start/stop times allow precise switching times and improve dynamic performance.
- Precise movements are made possible by speeds which are not affected by changes in voltage or load.
- As the actuator displays high holding torque when de-energized, no additional brake elements are required.
- Through its compact construction, the actuator takes up little room.
- The actuators can be installed in any position, allowing for free flexibility.
- Connection to the mains is made via screw terminals for the B3, Q3 and Q15 and via plug for the B0. This does away with the need for any adaptors.
- The actuators are lubricated for life, and no on-site maintenance is required.

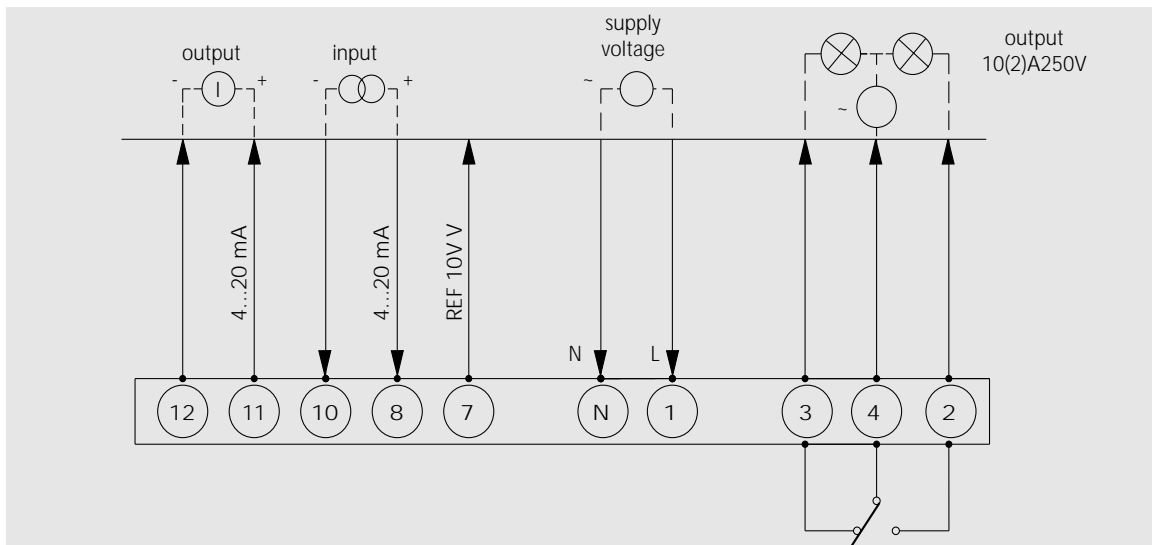
### General data for actuator type STE

	Values
Power supply	230 V AC / 50 Hz
Switching power of auxiliary switches	10(2) A 250 V (to CEE 24 / VDE 0630)
Number of limit switches	2
Number of auxiliary switches	1
Degree of noise suppression	N (to VDE 0875)
Protection grade	STE ... B3: DIN 40050, IP 40 STE ... Q3: DIN 40050, IP 40; IP 54 on request
Permitted ambient temperature	Operation: 0 ... 50 °C Transport and storage: -20 ... +60 °C

# Actuators

## STE IO1

## Technical Data



### STE with IO1 wiring – control via current signals

In heating technology, the STE actuator with IO1 wiring can be used for the following components:

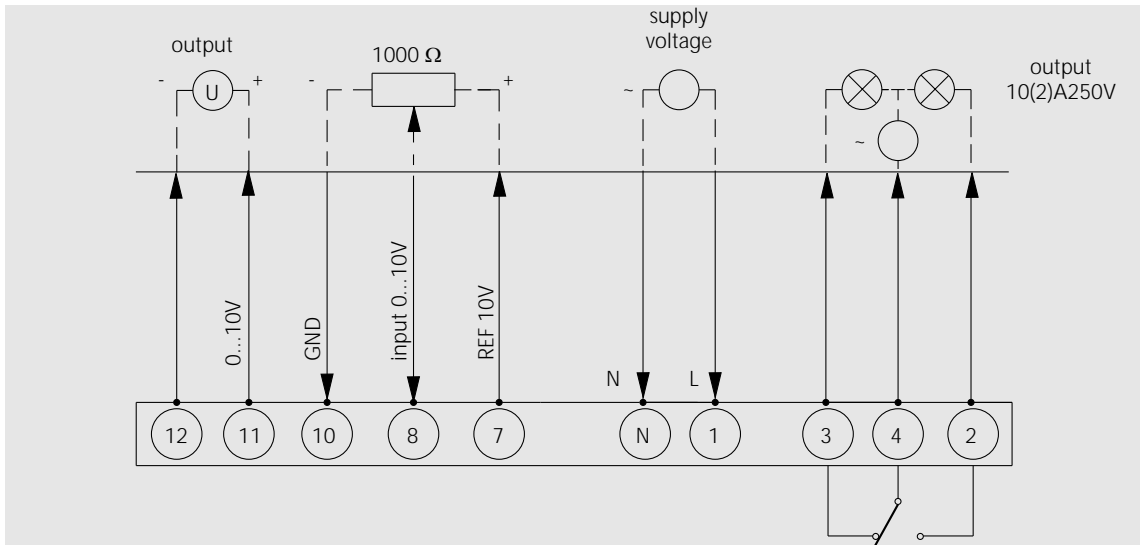
- Positioning valves.

In control technology, the STE actuator with IO1 wiring can be used for the following areas of application:

- Moving ball valves
- Flow control.

### Technical Data

Actuator type	Sense of rotation	Positioning signal	Actual value	Auxiliary size	Running time for 90°	Rated torque	Static holding torque
STE30 B3.37/6 - IO1	R / L	4 ... 20 mA	4 ... 20 mA	10 V	30 s	3 Nm	2 Nm
STE30 Q3.51/12	R / L	4 ... 20 mA	4 ... 20 mA	10 V	30 s	10 Nm	6.5 Nm
STE30 Q15 51/6 - IO1	R / L	4 ... 20 mA	4 ... 20 mA	10 V	30 s	15 Nm	10 Nm



### STE with U01 wiring – control via current signal

In heating technology, the STE actuator with U01 wiring can be used for the following components:

- Positioning valves.

In control technology, the STE actuator with U01 wiring can be used for the following areas of application:

- Moving ball valves
- Flow control.

### Technical Data

Actuator type	Sense of rotation	Positioning signal	Actual value	Auxiliary size	Running time for 90°	Rated torque	Static holding torque
STE30 B3.37/6 - U01	R / L	0 ... 10 V	0 ... 10 V	—	30 s	3 Nm	2 Nm
STE30 Q3.51/12 - U01	R / L	0 ... 10 V	0 ... 10 V	—	30 s	10 Nm	6.5 Nm
STE30 Q15.51/6 - U01	R / L	0 ... 10 V	0 ... 10 V	—	30 s	15 Nm	10 Nm