

TSE

High-performance thermoelectric actuator



Pressurisation & Water Quality › Balancing & Control › Thermostatic Control

ENGINEERING ADVANTAGE

Used in conjunction with the TBV-C terminal valve, the high-performing TSE actuator offers reliable on/off control and the highest enclosure class. A long lifetime is ensured by the unique design and the position indicator allows easy maintenance procedures. A high adjusting force further enhances reliability.

Position indicator

For straightforward maintenance.

M30X1.5 connection

Compatible with all TA valves and floor heating manifolds with a M30x1,5 connection to the actuator.



Technical description

Applications:

Designed for ON/OFF or PWM control.

Supply voltage:

24V AC/DC $\pm 20\%$

230V AC $\pm 15\%$

Frequency 50-60 Hz

Power consumption:

	24V	230V
Starting	5,4W	36W
During operation	3W	2,5W
Starting current	225 mA	150 mA

Operating cycle time:

~ 4 min when starting from cold.

Adjusting force:

125 N

Temperature:

Max. ambient temperature: 50°C

Min. ambient temperature: -5°C

Enclosure class:

IP 42 or 44 depending on position.

Cable:

Cable length: 2 m alternatively 5 m

Connection cable: 2 x 0,5 mm², 2 x 0,75 mm² for 5 m 230V.

The cable is stripped 50 mm and each wire is isolated.

Stroke:

4,7 mm

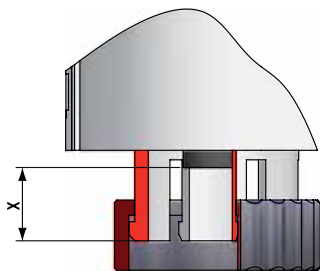
Connection to valve:

Retainer nut M30x1,5 of nickle plated brass.

Colour:

White RAL 9010

Working range

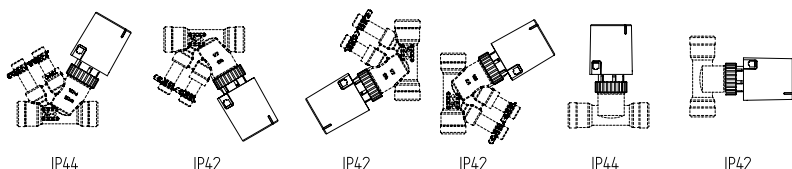


TSE is designed to suit all TA valves and floor heating manifolds with M30x1,5 connection to actuator.

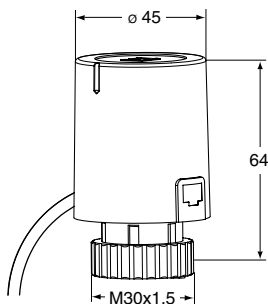
The actuator has a working range corresponding to X=11,40-15,80 mm.

Installation

Enclosure class:



Articles



24V AC/DC

Article No	EAN	Cable length
TSE, NO (Normally open)		
50 358-001	7318793963406	2 m
50 358-011	7318793963505	5 m
TSE, NC (Normally closed)		
50 358-002	7318793963208	2 m
50 358-012	7318793963307	5 m

230V AC

Article No	EAN	Cable length
TSE, NO (Normally open)		
50 358-201	7318793963802	2 m
50 358-211	7318793963901	5 m
TSE, NC (Normally closed)		
50 358-202	7318793963604	2 m
50 358-212	7318793963703	5 m

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