



## thermostatic actuator TSA 13 FO

Part no. 79301

thermostatic actuator

### benefits

- First Open function
- manual Re-Open function without power applied
- Stroke indicator
- Integrated limit switch for circulation pump
- either as 24 V or as 230 V version



### Application

Electro-thermostatic actuator with First Open and Re-Open functions, position indication, limit switch, connection cable and union nut for direct connection to the valve or upper part of the valve. TSA 13 can be used to switch off the pump via the integrated limit switch when all valves are closed. Closed when de-energised; available as 24 V or as 230 V version. Any mounting position.

### Technical Specifications

#### functions

First Open and Re-Open functions (adjustable via "clip re-open")

#### Operating mode

closed when de-energised (NC)  
Condition as delivered: Open

#### control stroke

4.5 mm

#### Opening time

AC/DC 24 V  
4.5 min

#### Closing dimension

10.8 mm

#### Actuating force

110 N

#### Connection

union nut M30 x 1.5 mm  
Switching output: 1 voltage-free, normally open contact

#### Housing

Plastic PA 6, flame retardant  
Degree of protection: IP 54 (EN 60730-1)  
cap: white  
Stroke indicator: yellow  
logo: customer-specific

#### cable

4 x 0.75 mm<sup>2</sup>, white, H05  
Length: 1 m

#### Operating temperature range

Operation: max. 100 °C (at valve)  
Ambient: 0/50 °C  
Storage: -25/+70 °C  
ambient humidity: < 85 % rH, Non-condensing

**Supply voltage**  
AC/DC 24 V

**power input continuous operation**  
AC/DC 24 V  
1.6 W

**Switch on power**  
AC/DC 24 V  
4.8 W

**Inrush current**  
AC/DC 24 V  
200 mA

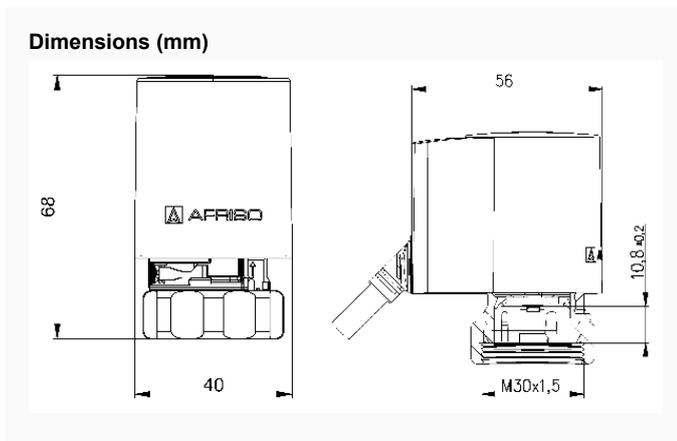
**Contact rating**  
AC/DC 24 V, max. 6 (2) A

**Protection class**  
AC/DC 24 V  
III (EN 60730-1)

**Dimensions (H x W x D)**  
68 x 40 x 56 mm

**Weight**  
165 g

**Technical Drawings**



**Versions**

Part no.

thermostatic actuator TSA 13 FO	AC/DC 24 V	●	79301
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- in-stock items
- Non-stock items