

## ROTARY ACTUATORS

# ACTUATOR SERIES ARA600 2-POINT

ESBE Actuator Series ARA600 for operating ESBE mixing valves DN 15-50. The actuators have an operating range of 90° and can easily be manually operated. Patented + Registered design.

### OPERATION

The ESBE series ARA600 is a compact actuator designed for operating rotary mixing valves DN 15-50. The actuators ARA6X5 and ARA6X6 are controlled by 2-point (on/off) signal, and are recommended for diverting applications. The actuator has an operating range of 90° and the valve can easily be manually operated by the pull-and-turn knob on the front of the actuator.

In addition to the 2-point signal control, all the actuators can also be used for 3-point signal control.

### VERSIONS

The ESBE actuators with 2-point signal control are available for 230 V AC, 50 Hz and are supplied with a 1,5 m connection cable attached. Different running times are available, from 15 to 60 seconds.

An auxiliary switch, which can be set in any position, is available either as a pre-installed component fitted to the actuator (ARA6X6) or as an optional kit to be ordered separately. The auxiliary switch is easily set by a unique solution, by just lifting off the turning knob the switch cam is accessible, no tools or disassembly required.



2-point

2-point, auxiliary switch

### SUITABLE MIXING VALVES

Thanks to the special interface between the actuator series ARA600 and the ESBE valve series VRG, VRB and VRH, the unit as a whole has a unique stability and precision when regulating.

- Series VRG100
- Series VRG200
- Series VRG300
- Series VRH100
- Series VRB100
- Series F ≤ DN50
- Series T
- Series HG

### ADAPTOR KITS

The actuator is supplied complete with an adaptor kit for easily fitting onto an ESBE rotary mixing valve series VRG, VRB and VRH. Adaptor kits can also be ordered separately. Art. No.

16000500 \_\_\_\_\_ ESBE valve series  
VRG, VRB, VRH, G, MG, F, BIV, T, TM, H, HG

### TECHNICAL DATA

Ambient temperature: \_\_\_\_\_ max. +55°C  
\_\_\_\_\_ min. -5°C  
Power supply: \_\_\_\_\_ 230 ± 10% V AC, 50 Hz  
Power consumption: 230 V \_\_\_\_\_ 5 VA  
Enclosure rating: \_\_\_\_\_ IP41  
Protection class: \_\_\_\_\_ II  
Torque: \_\_\_\_\_ See table

Rating auxiliary switch: \_\_\_\_\_ 6(3) A 250 V AC  
Weight: \_\_\_\_\_ 0,4 kg



LVD 2014/35/EU  
EMC 2014/30/EU  
RoHS3 2015/863/EU



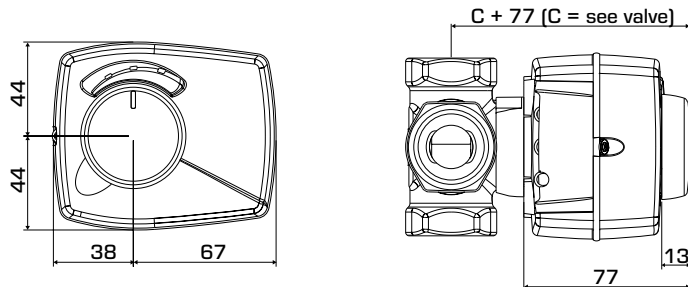
SI 2016 No. 1101  
SI 2016 No. 1091  
SI 2012 No. 3032

### WIRING

Please see the Installation Instruction

# ACTUATOR

## SERIES ARA600 2-POINT



Installation dimensions for Actuator Series ARA600 with ESBE VRG100, VRG200, VRG300, VRB100 and VRH100 mixing valves

### SERIES ARA600, 2-POINT 230 V AC

| Art. No. | Reference | Voltage [V AC] | Running time 90° [s] | Control signal* | Torque [Nm] | Note   |
|----------|-----------|----------------|----------------------|-----------------|-------------|--------|
| 12120700 | ARA635    | 230            | 15                   | 2-point SPST    | 3           | 2)     |
| 12121000 | ARA636    |                |                      |                 |             | 1), 2) |
| 12120800 | ARA645    | 230            | 30                   | 2-point SPST    | 6           | 1)     |
| 12121100 | ARA646    |                |                      |                 |             |        |
| 12120900 | ARA655    | 230            | 60                   | 2-point SPST    | 6           | 1)     |
| 12121200 | ARA656    |                |                      |                 |             |        |

\* 2-point SPST = Single Pole Single Throw Note 1) With premounted auxiliary switch 2) Recommended only for valves DN 15-32.

Adaptor kits for other mixing valves are available as follows:

Art. No.  
 16000600 \_\_\_\_\_ Meibes  
 16000700 \_\_\_\_\_ Watts  
 16000800 \_\_\_\_\_ Honeywell Corona  
 16000900 \_\_\_\_\_ Lovato  
 16001000 \_\_\_\_\_ PAW

### OPTION

Art. No.  
 16200700 \_\_\_\_\_ Auxiliary switch kit