

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.



2-point

2-point, auxiliary switch

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.

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

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

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

TECHNICAL DATA

Power supply: _____ 230 ± 10% V AC, 50 Hz
 Power consumption: _____ 5 VA
 Ambient temperature: _____ max. +55°C
 _____ min. -5°C
 Enclosure rating: _____ IP41
 Protection class: _____ II
 Auxiliary switch - Rating: _____ 6(3)A, 230V AC ± 10%
 Torque: _____ See table
 Weight: _____ 0,4 kg



WIRING

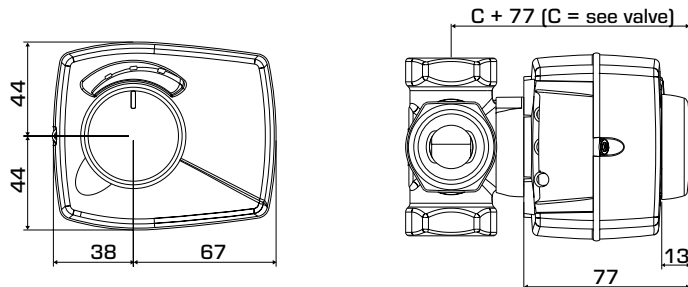
Please see the Installation Instruction

EXTENDED TECHNICAL DATA

Purpose of control: _____ Electronic Multi-position Actuator
 Method of mounting: _____ Surface mounting
 Rated impulse Voltage: _____ 4kV
 Pollution degree: _____ 2
 Type of action: _____ 1.B
 Supplementary protective fuse demand,
 _____ IEC60127 certified, rating T6.3A and 250V
 Branch fuse demands: _____ 16A, characteristic C

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
					Nominal**	max.	
12120700	ARA635	230	15	2-point SPST	3	3	2)
12121000	ARA636						1), 2)
12120800	ARA645	230	30	2-point SPST	5	6	1)
12121100	ARA646						1)
12120900	ARA655	230	60	2-point SPST	5	6	1)
12121200	ARA656						1)

* 2-point SPST = Single Pole Single Throw ** At 20°C ± 5°C Note 1) With premounted auxiliary switch 2) Recommended only for valves DN 15-32.