

Electrothermal actuator for zone valves and terminal units

MVX



Model	Voltage	Control
MVX21R	110-230Vac	ON/OFF
MVX22R		
MVX41R	24Vac/Vcc	
MVX42R		
MVX52	24Vac	Proportional 0-10V
MVX57		



APPLICATION AND USE

MVX electrothermal actuators can be used with Micra® and Micra® Kvs 4-6 valves (DBL199e and DBL293e).

OPERATION

The actuator-valve assembly is easily made thanks to its threaded ring nut, which allows a comfortable cable positioning. All models are provided with a yellow stroke indicator (see below). The actuators are available in the ON-OFF (230V and 24V) and in modulating (24V) with 0-10Vcc signal versions.

TECHNICAL CHARACTERISTICS

Supply voltage: 110 - 230Vac / 24Vac-Vcc
24Vac (only for MVX52-57)

Frequency: 50/60Hz

Power cable: 2m bipolar (0,35mm²)
2m triple-pole (0,35mm²) for MVX52 and MVX57

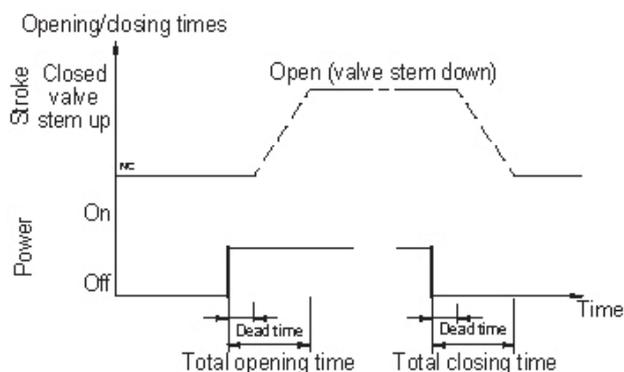
Protection degree: IP44 (vertical mounting)

Temperature:
- operation: 2T50°C
- storage: -10T60°C

Force: 90N for MVX21R-41R-57
140N for MVX22R-42R-52

Material: Technopolymer fire-resistant case: class V0

Starting time:

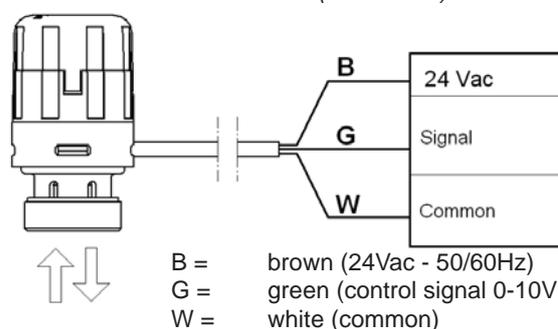


SAFETY PERSCRIPTIOS

230V products

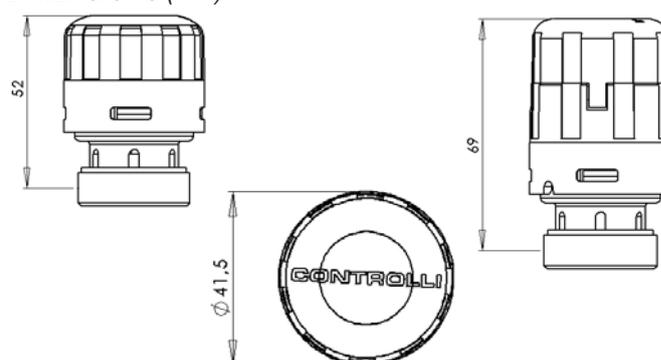
1. Install on the power supply line a screening device to avoid short circuits (fuse or magneto-thermic) according to the specifications in force.
2. In case of actuator removing from skilled staff, be sure that the power supply is disconnected.
3. Products are maintenance free.

ELECTRICAL CONNECTIONS (MVX52-57)



	MVX21R MVX22R 230 V	MVX21R MVX22R 110 V	MVX41R MVX42R 24 V	MVX52 MVX57 24 V
Consumption				
Starting	50 VA	12 VA	4 VA	5 VA
Operation	1.8 VA	1.8 VA	1.8 VA	1.8 VA

DIMENSIONS (mm)



Actuator timing details (approx.) in seconds

Actuator	Voltage	Valve opening		Valve closing (after 5' power on)		Valve closing (after 30' power on)	
		Dead zone	Total time	Dead zone	Total time	Dead zone	Total time
MX21R-MVX22R	230V	80	230	180	390	150	400
	110V	100	380	80	330	80	330
MVX41R-MVX57 MVX42R-MVX52	24V	150	400	180	390	150	400