

3-point floating actuator, for K297 mixing valves

Scheda tecnica
05561T 12/2020



3-point floating actuator, to control the K297 mixing valve in heating and/or cooling systems.

The actuator can be controlled by KLIMAbus thermoregulation products.

➤ Versions and product codes

PRODUCT CODE	POWER SUPPLY	COMPATIBILITY WITH MIXING VALVES
K274Y022	24 Vac/dc; 50/60 Hz	K297

➤ Technical data

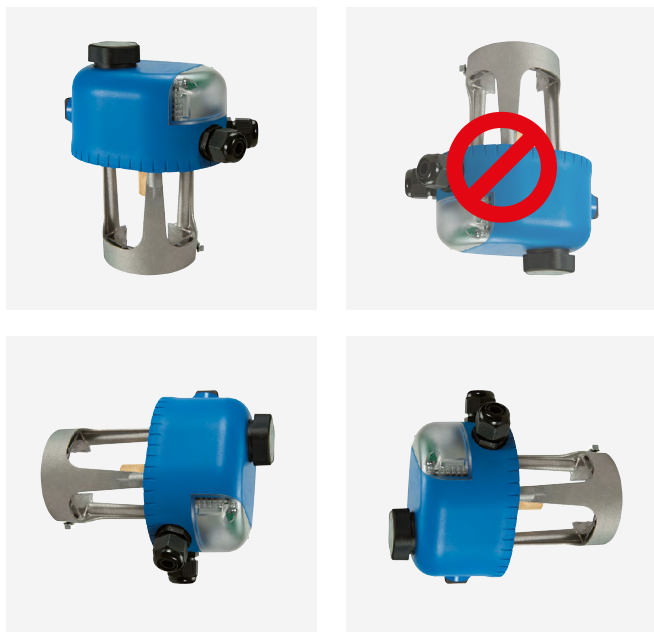
- Type of command: 3-point floating, no manual control
- Thrust force: 500 N ± 20 %
- Max. stroke: 20 mm
- Total opening time: 210 s @ 50 Hz; 175 s @ 60 Hz
- Electrical absorption: 2,6 VA
- Protection degree: IP54
- Working room temperature range: $-5 \div 55$ °C with not condensing R.H.
- Storage temperature range: $-20 \div 65$ °C with not condensing R.H.
- Weight: 800 g

- Maximum differential pressure in combination with mixing valves:

MIXING VALVE CODE	DN	THREADED CONNECTIONS	MAX. DIFFERENT. PRESSURE [kPa]
K297Y004	20	3/4"	950
K297Y005	25	1"	595
K297Y006	32	1-1/4"	360
K297Y007	40	1-1/2"	235
K297Y008	50	2"	145

➤ Installation

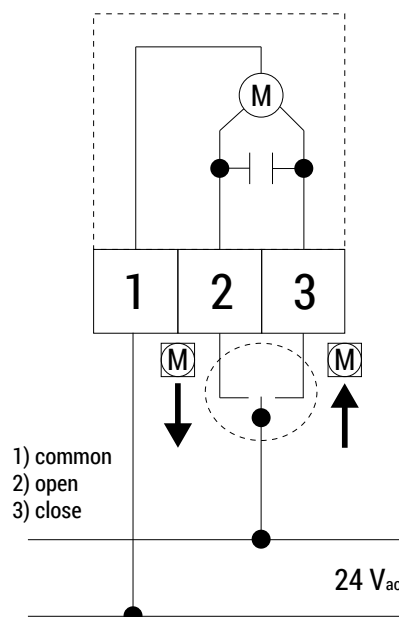
The actuator must be installed on the K297 mixing valves in a horizontal or vertical position with the lid facing upwards. It must be installed in dry, protected and easily accessible places for any subsequent maintenance operations. Do not cover with insulating materials.



➤ Electrical connections

⚠ WARNING. Make sure that the power supply is turned off when making connections.

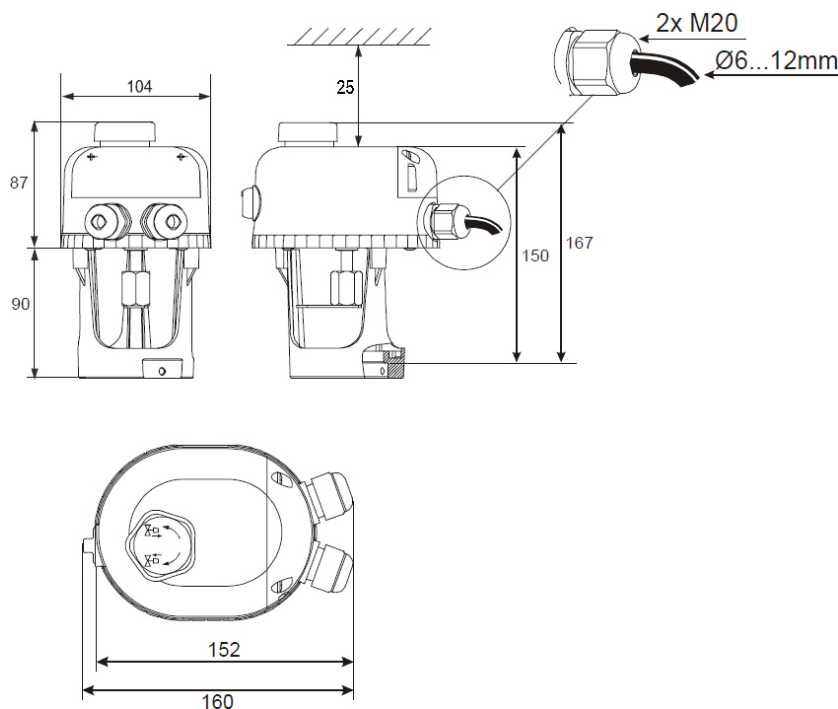
⚠ WARNING. Make and check the electrical connections before powering up the system. Short circuits or cables not connected correctly could cause permanent damage to the electrical components of the actuator.



➤ Operation

The actuator uses a reversible synchronous actuator and a magnetic clutch to accurately position the valve. The thrust force obtained is 500 N in both directions. When the signal is removed, the closure is maintained.

➤ Dimensions



➤ Reference Standards

- CE Mark
- Directive EMC 2014/30/EU
- Directive LVD 2014/35/EU
- Directive ROHS 2011/65/EU

➤ Product specifications

K274Y022

3-point floating actuator, to command K297 mixing valves. Power supply 24 V; 50/60 Hz. Thrust force 500 N. Electrical absorption 2,6 VA. Max. stroke 20 mm. Nominal speed at 50 Hz: 10 s/mm. Protection degree: IP54. Working room temperature range: -5÷55 °C with not condensing R.H. Storage temperature range: -20÷65 °C with not condensing R.H. Dimensions: 160x177x104 mm. CE Mark. Complying with Directive EMC 2014/30/EU, 2014/35/EU, ROHS 2011/65/EU. Automatic operation with the components of the KLIMAbus thermoregulation.

⚠ Safety Warning. Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

♻ Package Disposal. Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

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♻ Product Disposal. Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.