

R279B



Energy
Management

3-way diverting valve with ON/OFF rapid actuator

Datasheet
1123EN 05/2023



3-way diverting valve, with quick-opening actuator (8 s) and insulation.

➤ Versions and product codes

PRODUCT CODE	CONNECTIONS	NR. OF WAYS	ACTUATOR	INSULATION
R279BY005	G 1" M	3	230 V, ON/OFF, actuation time 8 s, with valve quick connection, manual knob, auxiliary microswitch, 1-m wire (K270Y211)	Polyethylene foam

Spare parts

• K270Y211: 230 V actuator, ON/OFF, actuation time 8 s, valve quick connection, manual knob, auxiliary microswitch, 1-m wire

► Technical data

Valve

- Fluid: water, glycol-based solution (max 30 % of glycol)
- Temperature range: 5÷90 °C
- Max working pressure: 10 bar
- Max differential pressure: 1 bar
- Kv: 8 (same for both ways)
- Factory settings: way AB-B open.

Materials

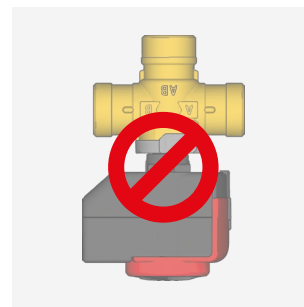
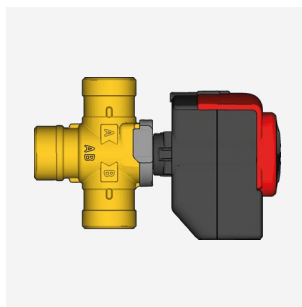
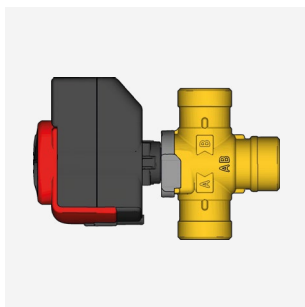
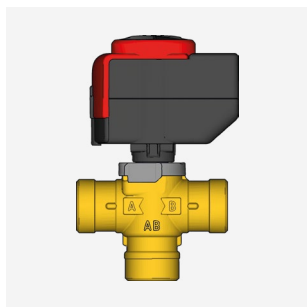
- Valve body: CW617N - UNI EN 12165 brass
- Gaskets: TPE
- Actuator cover: plastic
- Insulation: polyethylene foam

Actuator (K270Y211)

- Type: ON/OFF
- Power supply: 230 V; 50÷60 Hz
- Actuation time: 8 seconds
- Actuation angle: 60°
- Protection class: IP44
- Insulation class: II
- Absorption: 6 VA
- Auxiliary microswitch contact capacity: 1 SPST; 6 A (1 A inductive); 230 V
- Manual unlocking and position index

► Installation

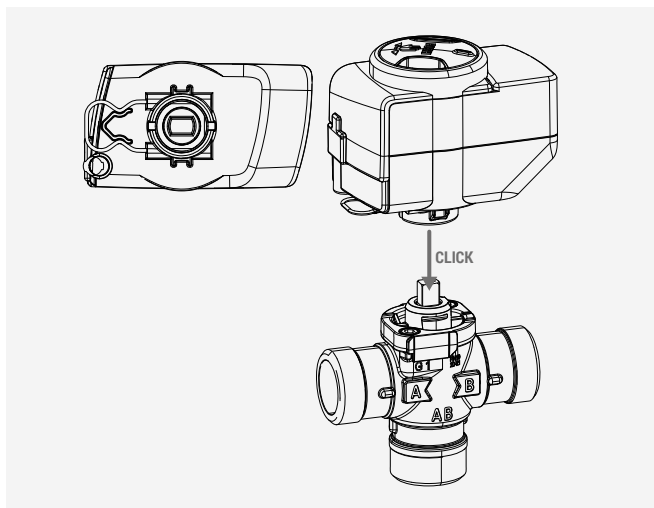
Installation positions



Installation on valve body

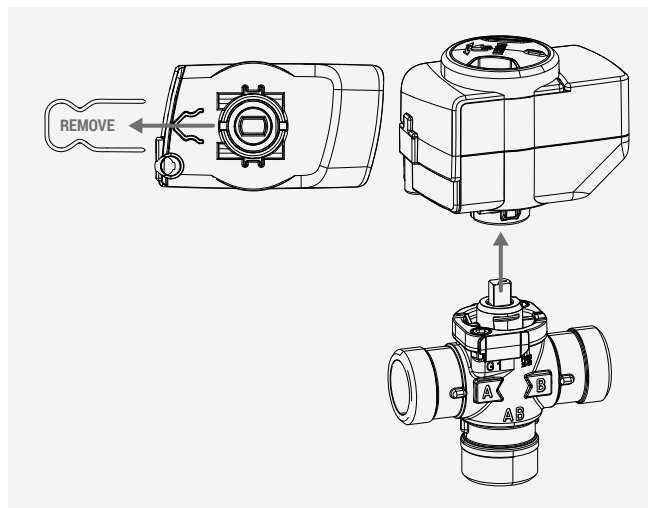
Installation

Without removing the metal clip from its seat, click the actuator into position on the valve stem.

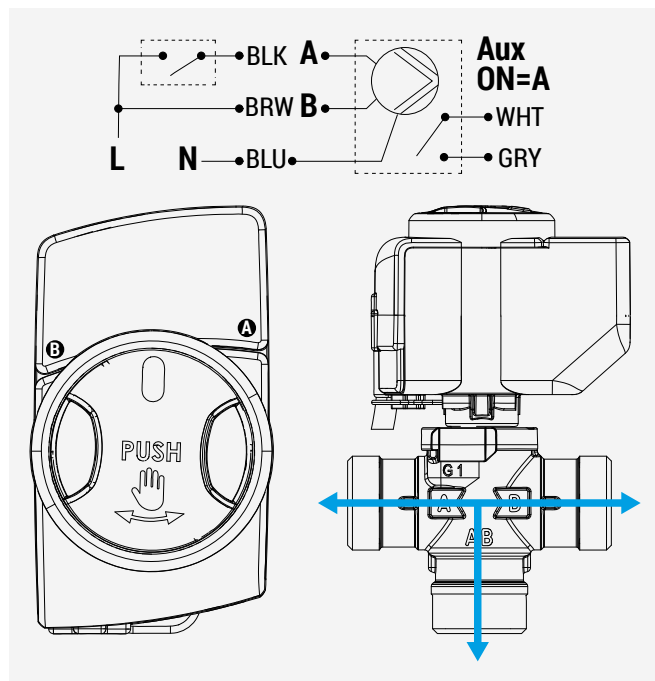
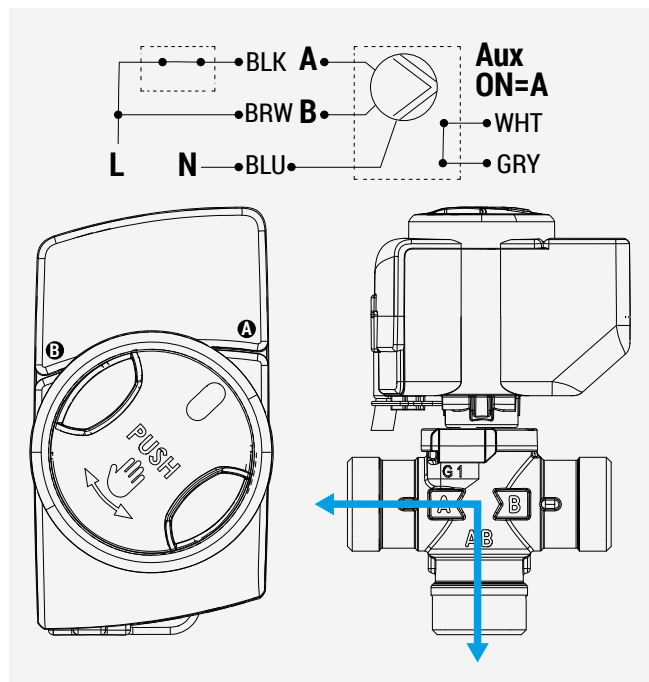
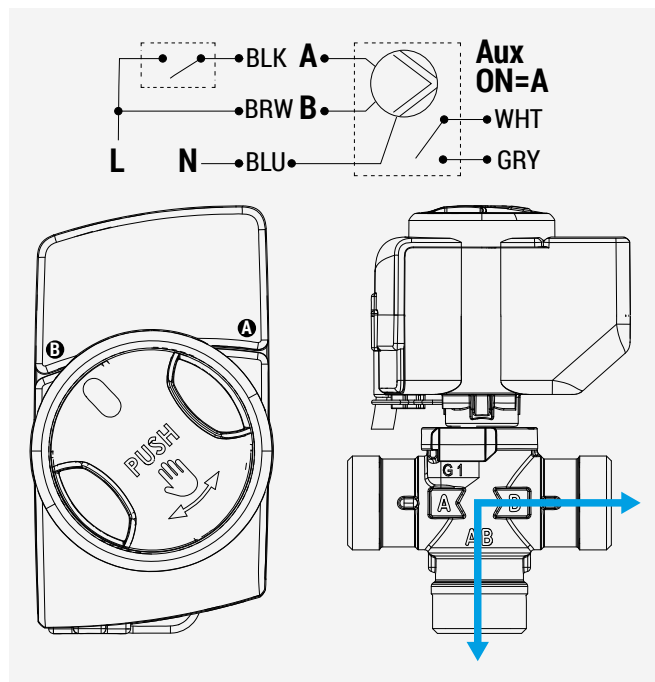


Removal

To remove the actuator, slide the clip off and disengage the actuator from the valve stem.



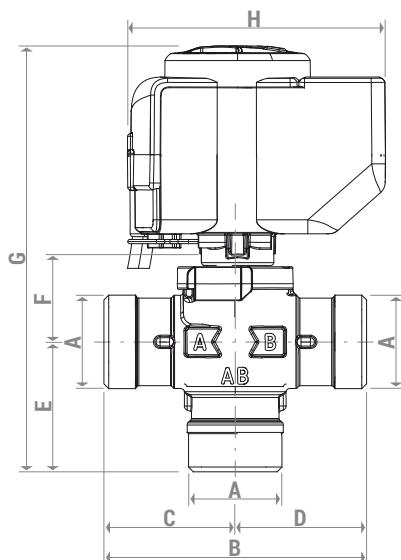
Knob positions and flow diagrams



The actuator can be moved manually by pushing and rotating the knob to the desired position. Turn the knob half way to move the 3-way valve to an intermediate position. In this position, the valve ports are all interconnected to load/unload the system faster.

BLK (black)	Phase for clockwise rotation: valve opening
BRW (brown)	Phase for counterclockwise rotation: valve closing
BLU (blue)	Neutral
WHT (white)	The auxiliary microswitch closes once the knob is rotated all the way through in the clockwise opening direction (actuator O=Open, Aux=ON) and opens when the user starts turning it in the counterclockwise closing direction
GRY (grey)	
L	Phase
N	Neutral

➤ Dimensions



PRODUCT CODE	CONNECTIONS A	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]
R279BY005	G 1" M	93	46,5	46,5	46	43	145	91

➤ Reference standards

Valve and actuator

- Directive PED 2014/68/EU
- Directive RoHS 2011/65/EU
- Reg. (CE) 1907/2006 (REACH)

Actuator only

- CE and UKCA compliant
- Directive EMC 2014/30/EU
- Directive LVD 2014/35/EU

➤ Product specifications

R279B

3-way diverting valve with quick-opening actuator (8 s) and insulation. Fluid: water, glycol-based solution (max 30 % of glycol). Temperature range: 5÷90 °C. Max working pressure: 10 bar. Max differential pressure: 1 bar. Kv: 8 (same for both ways). ON/OFF actuator; power supply 230 V; 50÷60 Hz; actuation time 8 seconds; actuation angle 60°; protection class IP44; insulation class II; absorption 6 VA; auxiliary microswitch contact capacity: 1 SPST; 6 A (1 A inductive); 230 V; manual unlocking and position index. Materials: valve body CW617N - UNI EN 12165 brass; TPE gaskets; plastic actuator cover; polyethylene foam insulation. CE and UKCA compliant.

⚠ 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.