# **GE500**

# Spare paddle GE500Y322 Flow switch GE500Y323



Energy Management

Datasheet 1046EN 2 02/2021



GE500Y323



## Versions and product codes

PRODUCT CODE	DN	CONNECTIONS	
GE500Y323	15	G 3/4"M	
GE500Y322	Spare paddle for GE500Y319 and GE500Y323 flow switches		

## Installation

Flow switch GE500Y323 can be installed on any pipe, referring to the flow direction shown on the top cap.

## Technical data

#### **Technical specifications**

- Temperature range: 5÷90 °C
- Room temperature range: -25÷70 °C
- Max. working pressure: 10 bar
- Activation flow rate in vertical position with upward flow: 2,75 L/min  $\div$  10 %
- Max. flow rate: 40 l/min

#### Electric data

- Electric connections: PVC-coated wire, length 1,5 m
- Commutation contact: max. 1 A, max. 230 Vac, 48 Vdc
- Electric power: max. 26 VA, 20 W
- Protection class EN 60529: IP65
- Protection class EN 60730-1: Class II

#### Materials

- Paddle body: PPE+PS Noryl 30 %
- Tee body: brass UNI EN 12165 CW617N
- Magnet: hard ferrite
- O-Ring: NBR





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The flow switch comprises of a unique paddle system, the one piece design has a paddle at the flow end which is centrally pivoted and a magnet at the opposing end.

Above this magnet is a reed switch contact, isolated outside the flow chamber.

A second magnet creates the force necessary to reset the paddle back to the zero flow position.

When the flow being monitored pushes against the paddle system, the paddle swings away.

This changes the position of the magnet in relation to the reed contact and actuates the switch.

As soon as the flow is interrupted, the paddle moves back to its starting position, reversing the position of the reed contact.

The force necessary to push the magnet back is provided by the two magnets repelling each other.

Using magnetic force instead of the usual leaf spring means that the switch is considerably more stable in the long term and much less sensitive to pressure peaks.

## Dimensions



PRODUCT CODE	A [mm]	B [mm]	C [mm]	D [mm]	E [m]
GE500Y323	G 3/4"M	50	74	53	1,5

## Certificazione WRAS

PRODUCT CODE	CERTIFICATION NUMBER
GE500Y323	1605300

### Product specifications

#### GE500Y323

Flow switch with brass Tee body, G 3/4"M threaded connections and 1,5 m connection wire. Temperature range: 5÷90 °C. Max. working pressure: 10 bar. Flow rate range: 2,75÷ 40 L/min.

#### GE500Y322

Spare paddle for GE500Y319 and GE500Y323 flow switches.

▲ 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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**m** 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.



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