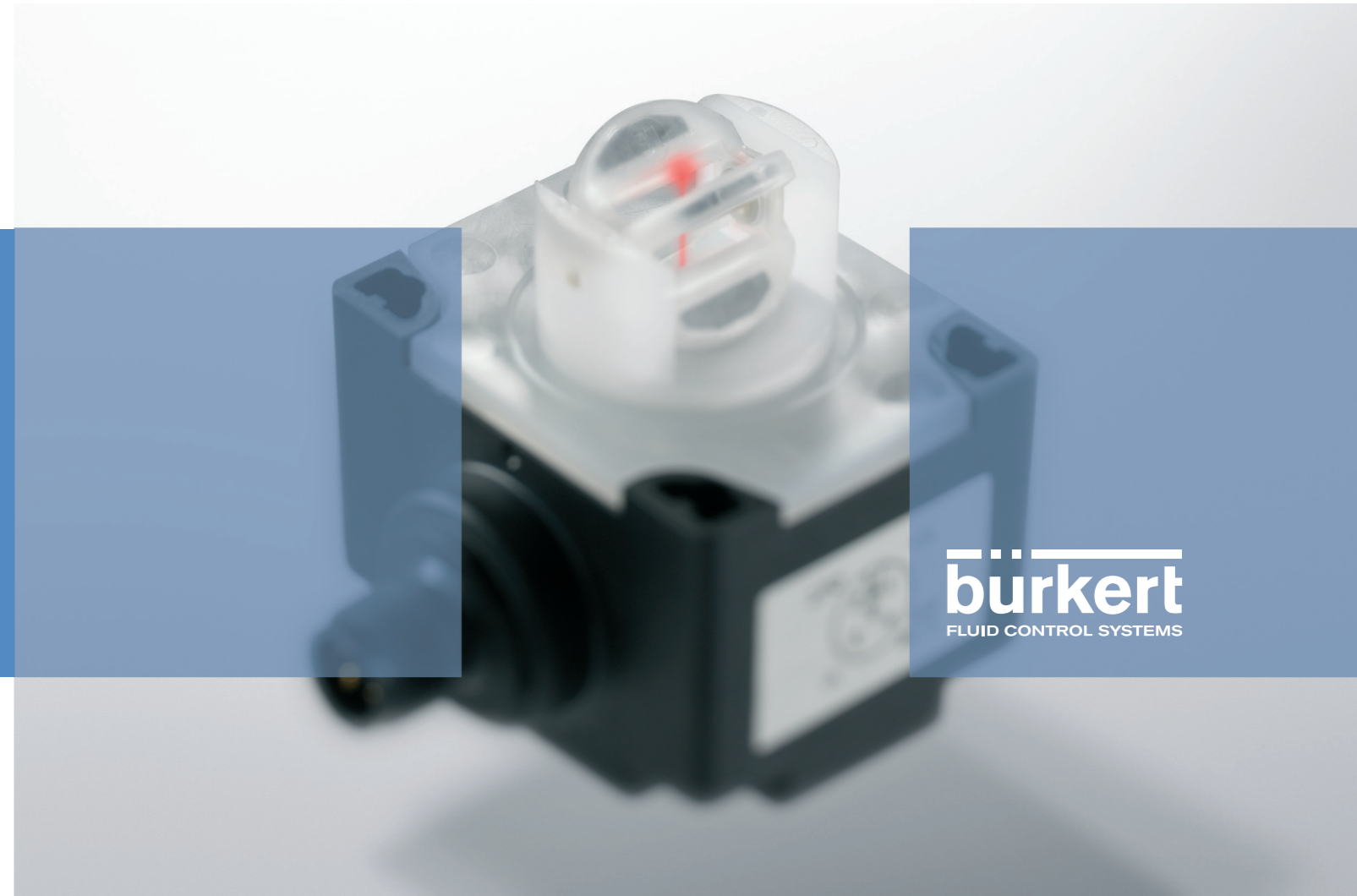


A New Dimension in Modularity  
**Mini Flow Sensor Type 8012**



**bürkert**  
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- Optional frequency or 4-20mA outputs
- Programmable limit values
- Flow direction detection with optical sensors
- Fewer components due to standardization

## Compact Performance at a Particularly Low Price

The new “star” in the sensor range for cooling, our paddle-wheel flow sensor Type 8012, demonstrates genuine customer proximity. Flexible, applicable Bürkert quality with optimal technical features for cooling operations in mechanical engineering, laser applications or in the packaging industry is now more cost-efficient than ever before. In addition to the price, the performance provided by the still unrivalled compact design is equally convincing.



### Universal Combinations

Our new modular concept is based on an electronics module that can be combined with all connection fittings from the Bürkert Inline sensor range. When describing the paddle-wheel flow sensor Type 8012, deployable in a very wide variety of applications, it is not enough to just mention its compact design, which even allows it to be integrated in block solutions, but we also have to point out its two measuring principles: magnetic and optical. Combined with the programmable electronics, it offers variable evaluation options for different applications. Furthermore, in combination with proportional valves and coordinated controllers, the powerful sensor can be configured for a broad range of individually designed system solutions.

### Integrable and Cost-effective

The potential of our new sensor is fully geared towards meeting your demands. Therefore, integration into machines or calibration according to your specific requirements does not present a problem for our sensor. Calibration with the Bürkert TACT software enables extremely flexible adaptation to the precise application data. Moreover, the sensor features programmable frequency or 4–20 mA outputs. The sensor's extremely interesting price/performance ratio is also very impressive. Ask us about it!

## Overview

### SIGNAL OUTPUT

Frequency or 4–20 mA output

### MEASURING RANGE

0.3 m/s to 10 m/s

### MEASURING PRINCIPLE

Optical and magnetic

### PORTS

Thread – Butt Weld Ends – Clamp

### FITTING MATERIAL

Brass – VA – PVC – PP – PVDF

### PRESSURE RATING(S)

PN10 (PN16)

### ACCURACY

≤ 0.5% of full scale value +2.5% of measured value

### LINEARITY

≤ ± 0.5% of full scale value (at 10 m/s)

### VOLTAGE

12–36 DC

### TYPE OF PROTECTION

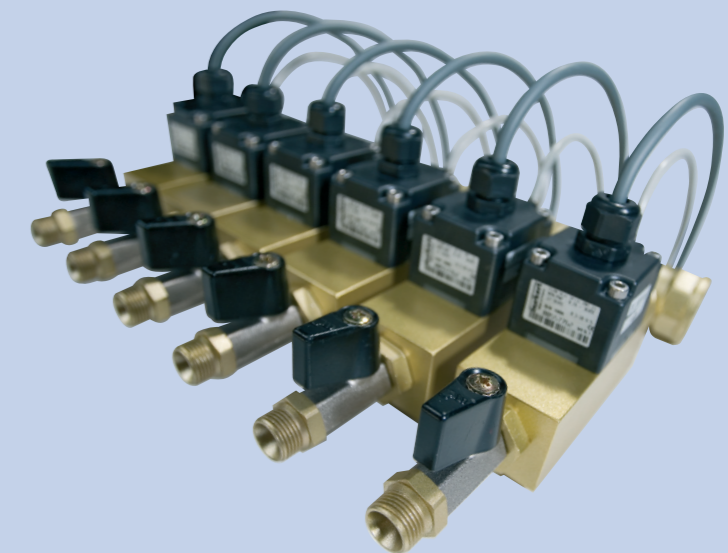
IP67

### ELECTRICAL CONNECTION

M12 plug or cable



The right fitting material for each application: depending on its intended use and the requirements imposed by specific approvals or the type of media – e.g. corrosion resistance – our paddle-wheel flow sensor is enclosed in a metal or plastic fitting.



### Customized Products

The modular principle offers flexible options when selecting the fitting materials as well as the electrical and fluidic connections. Further options include: electronics which can be programmed in line with the magnetic or optical principle, a compact design that presents new installation options and the possibility of combining, e.g. with the Bürkert Universal controller 8611. And there you have the performance range of a modular system component whose price activates a completely different type of sensor: yours, when it comes to future-proof quality in conjunction with the highest possible degree of efficiency. And that's what Bürkert supplies, of course.