



SENSICK Photoelectric Switches – certified to IP 69K and ECOLAB

**Reliable under the harshest cleaning conditions –
up to 100 bar water pressure, resistant to cleaning
agents and disinfectants.**

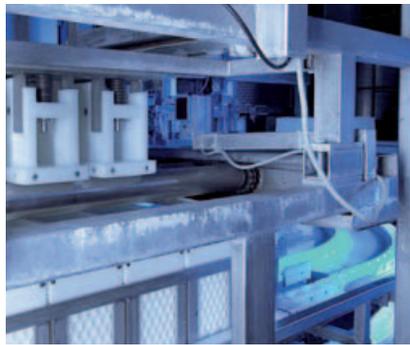
Prepared for extreme cases: IP 69K and ECOLAB

The food and beverage industry demands extreme water-tightness and material resistance of systems and components, SENSICK sensors certified to IP 69K and ECOLAB being particularly suitable.

SAFE OPERATION - UNAFFECTED BY STEAM JETS

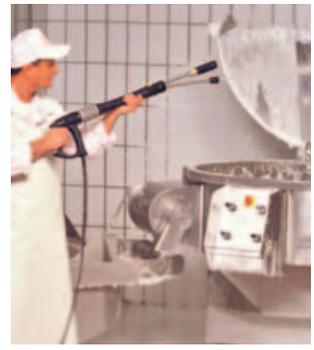
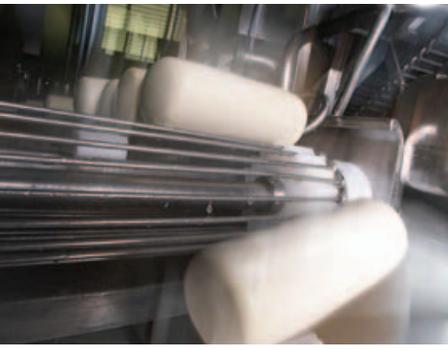
Pressure washers – with hot steam or cold water jets – are standard in industries where clean surfaces are important. SENSICK photoelectric switches remain water-tight and operational, even in exposed locations – temperature variations and high steam temperatures do not affect their function.





MINIATURE PHOTOELECTRIC SWITCHES			
W2		✓	✓
W4-3		✓	✓
W4 TEFLON		✓*)	✓*)
SMALL PHOTOELECTRIC SWITCHES			
W9-2		✓	✓
W9L-2 LASER		✓	✓
W11			✓
W12-2		✓	✓





SMALL PHOTOELECTRIC SWITCHES			
WL12G		✓	✓
W12L-2 LASER		✓	✓
W12-2 TEFLON		✓	✓
W18-3		✓ ^{*)}	✓
STANDARD PHOTOELECTRIC SWITCHES			
W27-3		✓ ^{*)}	✓
CYLINDRICAL PHOTOELECTRIC SWITCHES			
MH15		✓	✓

^{*)} Projected



RESISTANT - UNAFFECTED BY CLEANING AGENTS AND DISINFECTANTS

Aggressive and thus highly effective cleaning agents and disinfectants – such as alkaline products and products containing chlorine – place particular demands on sensors. Resistance of materials to the effects of such aggressive chemicals, is a minimum requirement for the SENSICK photoelectric switches, which have been developed and manufactured according to particularly strict quality standards. Aggressive cleaning agents and disinfectants do not affect their function, even long-term.



IP 69K ACCORDING TO DIN 40050



Resistance of the sensors and accessories during cleaning processes:

- 100 bar high-pressure jet cleaning
- 16 litres per minute
- 80°C water temperature
- 100 mm distance from the sample
- Testing at 0, 30, 60, 90° spraying angle, with the specimen rotating (5 rotations/min)



ECOLAB



Testing the resistance of materials to aggressive cleaning agents and disinfectants:

- 28 days reaction time
- 20°C temperature
- no swelling
- no embrittlement

RANGE OF EXPERTISE

INDUSTRIAL SENSORS

Our complete range of sensors provides answers to suit any application in the field of automation. Even under rugged ambient conditions objects are reliably detected, counted and positioned in respect of their form, location and surface finish, as well as their distances established with pin-point accuracy.



INDUSTRIAL SAFETY SYSTEMS

Comprehensive safeguarding of both personnel and machinery! As specialists in Sensor Technology, SICK develops and manufactures pioneering products for providing protection in hazardous zones, dangerous locations and for safeguarding access points. By providing services, which encompass all aspects of machine safety and security, SICK is setting new standards in Safety Technology.



AUTO IDENT

Whether the tasks involve identification, handling, classification or volume measurement, innovative Auto Ident systems and laser measuring systems function extremely reliably, even under rapid cycle times. They conform to the latest Standards and can be simply and speedily integrated in all industrial environments and external applications.



ANALYZERS AND PROCESS INSTRUMENTATION

System control, maintaining setpoints, optimising process control and monitoring the flow of materials – the instruments and services for Analysis and Process Measurement, supplied by SICK MAIHAK, are setting the standards for these applications in terms of Technology and Quality.



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