



Certificate

JohnsonDiversey GmbH & Co. oHG
Mallastraße 50-56
D-68219 Mannheim
Deutschland
Germany

certifies that for

SICK AG
Sebastian-Kneipp-Straße 1
79183 Waldkirch
Germany



material resistance tests were performed on the photoelectric switch series
W9-2 with cleaning agents and disinfectants used

Oxofoam
Diverfoam SMS HD
Acifoam
Divosan Hypochlorite
Divosan forte
Tego 2000

The material resistance of the tested photoelectric switches with the tested
cleaning agents has been considered to be positive according to the cleaning
procedure (see cleaning plan) mentioned overleaf.

Mannheim, 14.03.2006

i. A. C. Kauck

i. A. Dr. John

SICK



W9-2

This certificate is based on

- documented test procedures (JohnsonDiversey-testing method) according to material resistance
- defined product specifications
- standardized cleaning plan

Product specification

Oxofoam	Alkaline chlorid foam cleaning agent
Diverfoam SMS HD	Alkaline foam cleaning agent considered for non-ferrous metal
Acifoam	Acid foam cleaning agent
Divosan Hypochlorite	Disinfectant based on hypochlorite
Divosan forte	Disinfectant based on peracetic acid
Tego 2000	Neutral disinfectant based on amphotensides

Test procedure












JohnsonDiversey-testing method

Standing and inserting test: Complete immersion in test medium

Test period: 30 days

Temperature: Cycle from +20 °C to +40 °C, 2 x per week

Analysis: Visual judgement like swelling, embrittlement, discolouring
Compared to zero-valent factor (demineralized water)
Test report to SICK AG dated 14.03.2006

Cleaning plan for food processing industry	JohnsonDiversey Clean is just the beginning	Product specifications series W9-2	SICK
 <p>Rinsing with water from cold up to 60 °C Rinsing with low pressure. Rinsing from top to bottom in the direction of the drains. Cleaning of the drains.</p>		 <p>Plastic housing for industrial use</p>	
 <p>Foaming for cleaning (3 to 5%) Oxofoam Diverfoam SMS HD Acifoam</p>		 <p>Wide operating temperature -40 °C bis +60 °C for universal application</p>	
 <p>Rinsing with water from cold up to 60 °C Rinsing from top to bottom with low presure.</p>		 <p>UL-approval class 2 Worldwide standards for worldwide application</p>	
 <p>Foaming for disinfection (0,2 bis 1%) Divosan Hypochlorite Divosan forte Tego 2000</p>		 <p>High enclosure rating also for use of high pressure cleaner according DIN 40050, part 9</p>	
 <p>Contact time A contact time of 15 to 30 minutes is recommended.</p>		 <p>Compact housing, numerous applications by variety of products multifaceted as the tasks in factory automation</p>	
 <p>Rinsing with water from cold up to 60 °C Rinsing from top to bottom with low presure.</p>			