



# Certificate

**JohnsonDiversey GmbH & Co. oHG**  
**Mallaustraße 50-56**  
**D-68219 Mannheim**  
**Germany**

certifies that for

**SICK AG**  
**Sebastian-Kneipp-Straße 1**  
**79183 Waldkirch**  
**Germany**



material resistance tests were performed on the photoelectric switch series **W4-3** with cleaning agents and disinfectants used

**Oxofoam**  
**Diverfoam SMS HD**  
**Acifoam**  
**Divosan forte\***  
**Tego 2000**

*\*The combination with using Teach Button is not recommended!*

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**



# W4-3

This certificate is based on

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

Product specification

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

*\*The combination with using Teach Button is not recommended*

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 W4-3 
 <p><b>Rinsing with water from cold up to 60 °C</b>                      Rinsing with low pressure. Rinsing from top to bottom in the direction of the drains.                      Cleaning of the drains.</p>	 <p><b>Wide operating temperature range</b>                      +60 °C to -40 °C for universal application</p>
 <p><b>Foaming for cleaning (3 to 5%)</b>                      Oxofoam                      Diverfoam SMS HD                      Acifoam</p>	 <p><b>UL-approval class 2</b>                      Worldwide standards for worldwide application</p>
 <p><b>Rinsing with water from cold up to 60 °C</b>                      Rinsing from top to bottom with low presure.</p>	 <p><b>Adjustment by Teach-in</b>                      also by wire</p>
 <p><b>Foaming for disinfection (0,2 bis 1%)</b>                      Divosan forte                      Tego 2000</p>	 <p><b>Photoelectric reflex switch for transparent objects</b>                      Secure and fast adjustment by Teach-in</p>
 <p><b>Contact time</b>                      A contact time of 15 to 30 minutes is recommended.</p>	
 <p><b>Rinsing with water from cold up to 60 °C</b>                      Rinsing from top to bottom with low presure.</p>	