

DECLARATION OF COMPATIBILITY

between **ECOLAB** hygiene products
and **Leuze electronic** safety switches RFID technology

For the completely safe cleaning of your plant

 **Leuze electronic**
the *sensor* people

Is one of the leading European manufacturers for sensor solutions in the industrial automation, offering a wide range of products such as switching and measuring sensors, safety sensors, safety switches and safety modules.

L 250 series safety switches

The declaration proves the high resistance of these Leuze electronic products to Ecolab products commonly and worldwide used in Food and Beverage Industries.

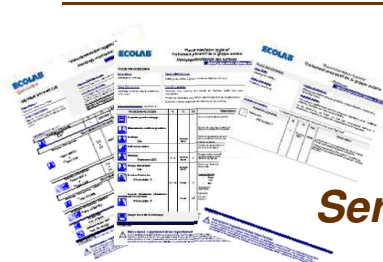
ECOLAB®

Supplier of hygiene solutions for
Food and Beverage industries

Products



Equipments



Services

Chemicals compatible table with L 250 series safety switches and safety sensors with RFID technology

See below for the test procedure

PRODUCT	%	SENSOR TYPE	DEFECT QUANTITY	DEFECT QUALITY	COLOR VARIATION
Topaz MD5	6	- L 250 series	0	0	0
Polix Chlorant	2 ppm as free Cl ²	- L 250 series	0	0	0
P3-topactive DES	3	- L 250 series	0	0	0
Topaz AC5	6	- L 250 series	0	0	0

DEFECT QUANTITY: 0 means - No detectable defect
 DEFECT QUALITY: 0 means - Up to 10x magnification no detectable defect
 COLOR VARIATION: 0 means – Unchanged, no discoloration

Test procedure

- Test performed by Ecolab Technical Application Service
- Ecolab reference method 40.1 – ISO 4068-1 for the evaluation
- Full immersion of parts in detergent/disinfectant solutions
- Water hardness of 200ppm CaCO₃
- 28 days total time at 20°C (equivalent to the contact time that occurs in 6 years of daily cleaning)
- Concentration tested is the one normally recommended
- Test solution renewed every 3-4 days for oxidizing products (Polix Chlorant and P3-topactive DES)

Final statement

- **The Ecolab Technical Application Service Italy certifies that the Leuze electronic safety switches RFID technology type**

- L 250 series

are perfectly compatible with Ecolab detergents and disinfectants as indicated above.