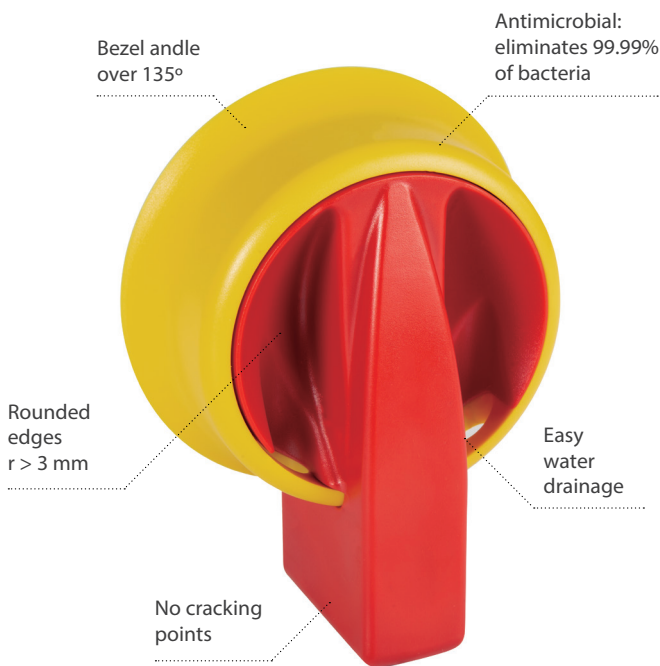




New range of IP69K handles





## New IP69K handles

*A solution for environments subject to heavy-duty cleansing*

Food processing machine safety has been a constant concern in the **food industry**. This was reflected in the **EN 1672-2 standard**, which establishes design requirements related to food processing machine hygiene and cleaning.

The new range of IP69K handles incorporate the standard's **design requirements** and are ready to withstand the heavy-duty cleansing operations carried out in the food industry, characterised by their high aggressiveness and verified according to IEC 60529 - IP69K test procedure.



### Antimicrobial technology

Silver ions (type 1 and 2) are added to the product's raw material to inhibit the proliferation of microorganisms.



### Hygienic design

Rounded edges ( $r > 3 \text{ mm}$ ) and an angle of over 135° between the mounting surface and the handle prevent particle adhesion.



### Shock-resistant

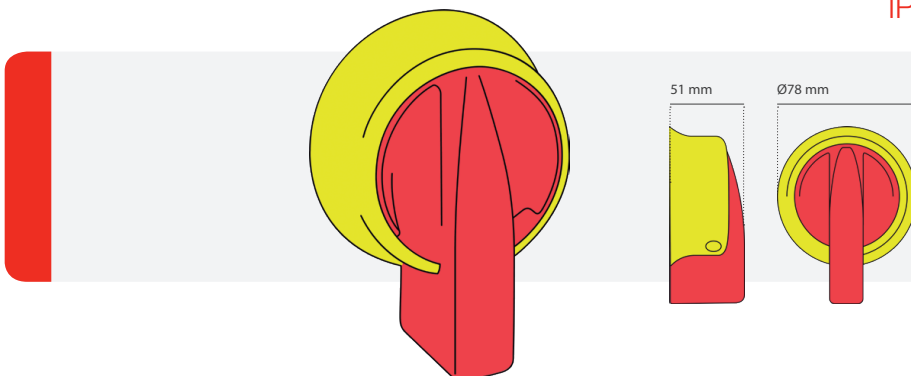
The IP69K handle has been designed with ultra-shock-resistant plastic material.



### IP69K Certification





The IP69K test of the IEC 60529 standard ensures resistance to pressure washing and high temperatures at four different angles.

## IP69K padlockable safety handles



 VIDEO

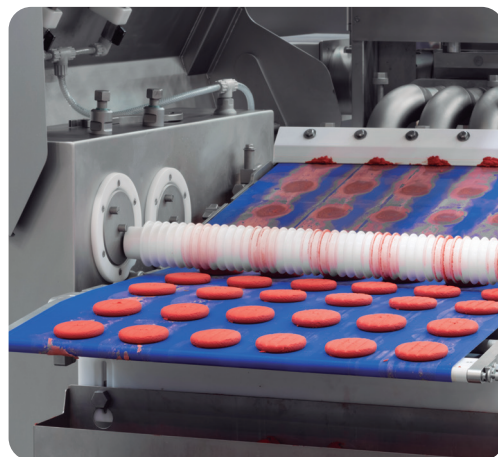
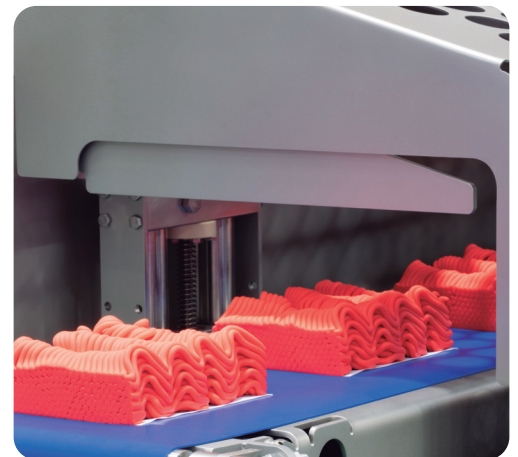


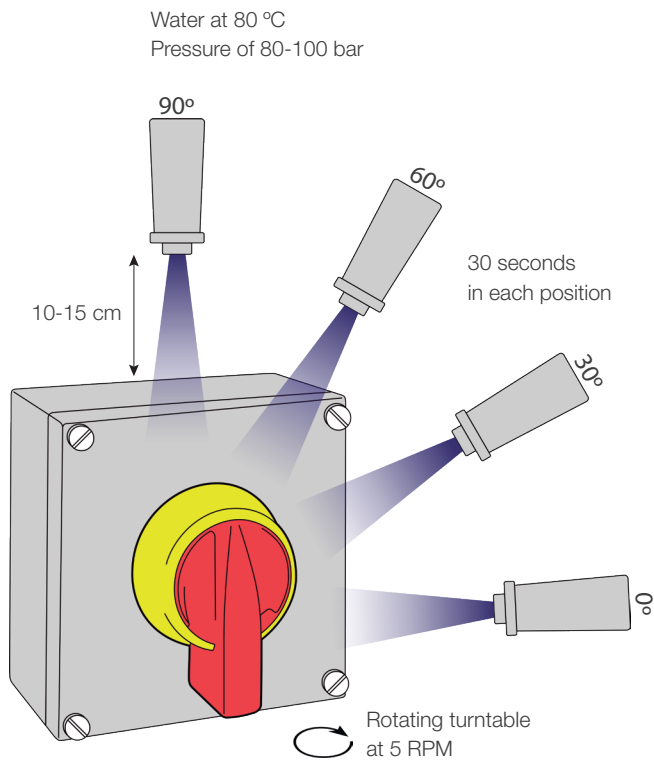
Description	Color	Reference
Sizes D0 and D1	Red/yellow 	AK12H0523
Sizes D2 and D3	Red/yellow 	AK12H0526
Sizes D0 and D1	Black/grey 	AK12H0143
Sizes D2 and D3	Black/grey 	AK12H0146

## Applications in a wide variety of environments

The **IP69K certification** is the highest degree of protection that exists. For that reason, the new range of IP69K handles is most suitable for a wide variety of **hostile environments** exposed to harsh safety and cleaning conditions.

This is particularly true for the **food industry**, which is characterised by extreme safety levels for the cleaning and hygiene of machines, as considered in the EN 1672-2 "Food Machinery - General Design Principles - Part 2: Hygiene Requirements".





## What is involved in the IP69K test?

The IP69K test according to **IEC 60529 standard** was designed to ensure that products can withstand high temperature washdown applications characteristic of food industry.

### How is the test carried out?

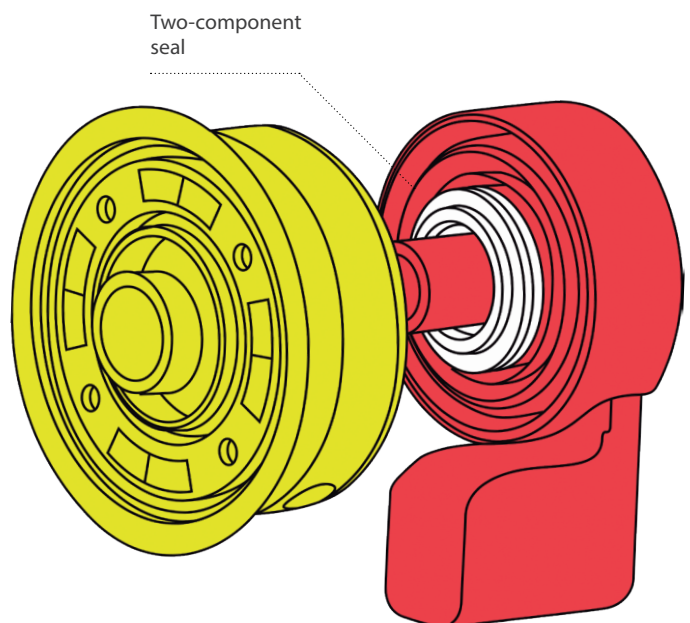
- Enclosed switch is mounted on a turntable that rotates once every 12 seconds (5 rpm).
- A jet nozzle placed 10–15 cm away sprays the product with 80 °C water at 80-100 bar of pressure at a flow rate of 14–16 liters per minute.
- The test is carried out with the jet nozzle at angles of 0° (horizontal), 30°, 60° and 90° (vertical) for 30 seconds in each position.

## How do we guarantee effectiveness over time?

Gawe has developed a **unique solution** based on a two-component seal that overcomes the challenges of conventional joints subject to cracks due to mechanical erosion and temperature changes.

The **two-component seal** consists of a hard part made from heat-resistant plastic and a soft part made from water-repellent grease.

The plastic part provides pressure resistance and has grooves that are filled in with a special grease to prevent liquid penetration and the appearance of cracks where dirt and bacteria can be deposited.

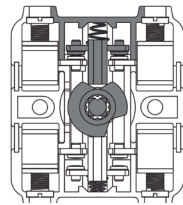
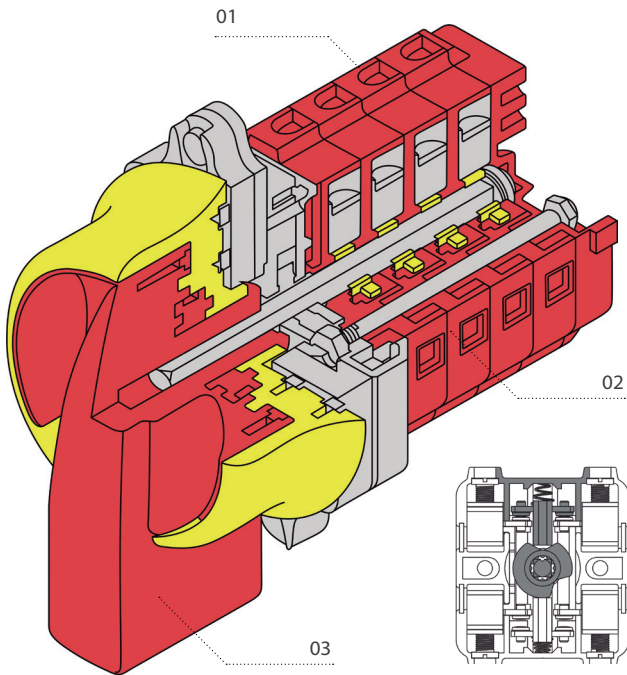


## Designed for industrial requirements

The IP69K handle is **highly robust**, just like A5/L5 switches series that were designed including a number of intrinsic features that ensure maximum product reliability in industrial applications.

The body of the switch is made of temperature-resistant materials with high levels of dielectric performance. The shape and alloys of the contacts offer great performance in both normal and overload conditions. **Cam technology** adds flexibility to electrical schemes and stands out by its high levels of **electromechanical endurance**.

- 01 The shaft made of galvanized steel with high resistance to bending and torsion ensures optimal contacts opening and closing.
- 02 Contact cells with deep inlet locking system that provides great strength to the assembly.
- 03 Metal rods extending longitudinally through the breaking mechanism and contact cells provide high robustness to the complete set.



**Cam technology**  
The best electrical and mechanical endurance.



**A-5512001**

