

SCHURTER: service and quality

Our engineers have the right technical knowledge to design tailor-made solutions. Because of their professional knowledge and experience, our engineering team will support you throughout your project. Open communication is vital for working together: listening and understanding the wishes and requirements of you as a client.

Based on our experience and knowledge of membrane switches, we can facilitate every challenge with an optimal solution. In many cases we can even design a technically better and more cost-effective product than clients already have in use. This starts with communication in the development process: where are the weaknesses, where are the opportunities? Of course we keep the common goal in mind: designing the best possible solution.



The added value of 'early involvement'

In order to find the best solution economically, it is recommended to involve an engineer in the design of the end application. The sooner SCHURTER is called in, the better we are able to offer the right solution. It often happens that clients make decisions at an early stage, which are not ideal during the engineering phase. This can be prevented by involving a consultant and knowledge carrier in the sketch phase. If SCHURTER arrive at the table early, we guarantee 'first time right'. This is already cost-saving in the design phase. But more importantly: the right design ultimately results in considerable savings in the production phase.

'State of the art' infrastructure

SCHURTER has various production locations worldwide and therefore a state of the art infrastructure. Our modern

production locations are equipped with computer-to-screen, screen printing, laser and cleanroom facilities. Membrane switches from our factory are produced under the best possible conditions.

Short time to market

Other important advantages of SCHURTER membrane switches are the reduced delivery times and the short time to market assistance. This service means that your product can be developed quickly. How do we realise this? SCHURTER has all the basic materials for the membrane switches in stock. In addition, our own engineers have the knowledge and tools in-house to design and produce.

Logistical relief

SCHURTER can tailor logistical arrangements to your needs. For example, we work with JiT (just in time system).

This means delivery on demand. There are also other logistic agreements available. Your wish is our starting point: how many pieces do you want to purchase per month or per year?

Prior insight into the 'total costs of ownership' or 'landed price' is relevant for all parties. SCHURTER applies a transparent pricing policy, with a fixed one-off price and a unit price for the membrane switch.

The production of the membrane switches is easy to scale up. This means that even very large orders can be processed effortlessly. SCHURTER has worldwide production facilities.



Product Life Cycle

SCHURTER membrane switches have a long life cycle, both technically and visually. A major advantage is that availability of the membrane switch over the entire Product Life Cycle (PLC) of the end application is guaranteed. Due to the long life span and continuity in availability, the initial investment is ultimately more advantageous.

Design, production and logistics: SCHURTER offers expertise in all areas. SCHURTER is a local partner, speaks the same language, has knowledge of both electronics and mechanics, and has assembly and clean room production. We also make use of automation and robotisation. A membrane switch is ideal for stand-alone applications, and requires no software or maintenance.

Features and specifications

The technology of the membrane switch is robust and proven by SCHURTER's many years of experience. The materials and processes used guarantee quality well above the applicable market specifications and standards.

Our membrane switches can handle various environmental factors:

- High temperatures;
- Humid environment;
- Sun;
- Radiation (EMC);
- Water (IP values, >IP67 is feasible)

The specifications explained:

- Colour
The client determines the colours and design of the print. You can expect

valuable advice from our engineers, based on their knowledge, expertise and experience. We mix your colours with our colour mixing system. We screen print the design of the print in-house, and therefore fully customer specified: we realize exactly what you need.

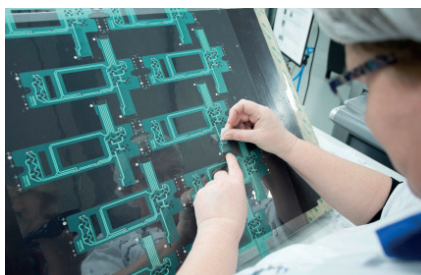
- Hygiene/ability to clean
A membrane switch has a closed surface, possibly in combination with a touchscreen. The front foil is suitable for various cleaning agents and is water resistant. High IP values (water tightness) can be achieved because the membrane switch is completely closed.
- Front foil
The front foil is almost always made of polyester; there is a choice in it: UV-resistant polyester, structured, anti-glare, glossy and stainless steel look front foil. Which version you choose also depends on the different environmental conditions in which the membrane switch functions. Environmental factors also include requirements and wishes regarding texture (how smooth or rough the surface should be), thickness, fire safety and UV radiation. We translate your wishes and requirements into specifications.
- Contact pressure/ safety click
If desired, a safety click is possible (double click, or just a little further press). This function is often used in medical applications. This option is important in environments/situations where the membrane switch may not be operated 'accidentally'.

- Lighting options

Almost anything is possible when it comes to lighting the switch. The illumination of the membrane switches is based on LED or EL technology. SCHURTER can light a logo, symbol or ring around the button homogeneously in several colours in the foil. This technology, in which the LED is incorporated into the foil, is very energy efficient. It is also possible to let light from an external print shine through the foil.

Fit for purpose

Every SCHURTER membrane switch is custom-made, from small to medium volumes, when it comes to branding according to your corporate identity and mechanical and electronic requirements. Customer specification requirements are combined with the specialist knowledge of our engineers. The quality and service life of the membrane switch are in proportion to the machine function. If the machine lasts 10 years, the membrane switch also lasts 10 years, not 5 or 20 years.





About SCHURTER

SCHURTER Electronic Components is a leading innovator and producer of electronic components. As a Swiss technology company SCHURTER is operating successfully worldwide. In a dynamic market the SCHURTER Group is showing sustainable growth due to the specialized competence, innovative capacity, proximity to customers and financial independence.

SCHURTER is a leading innovator and producer of fuses, equipment connectors, circuit breakers, input systems and EMC products as well as a service provider for circuit board assembly in the electronics industry. Besides the individual components, SCHURTER offers a total solution, where all of the core competences of the company are interconnected and placed at the customer's disposal.

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