

TSL-ESCHA

CK Touchless – Touchless and Tactile Operation



The new CK Touchless push button enables touchless operation through the integrated sensor above the tactile touch surface (Photo: TSL-ESCHA)

The CK push button series by TSL-ESCHA has been extended by a product variation. The CK Touchless is the first hybrid push button from TSL-ESCHA that features touchless and tactile activation.

Touchless Technologies on Trend

Touchless technologies represent a current technological trend that has changed the way we interact with a product. In particular, the COVID-19 pandemic and the accompanying hygiene measures have further increased the demand for touchless technologies. Companies began to develop solutions that would minimise the need for physical contact.

Non-contact interaction with a product is playing an increasingly important role in high-traffic public transportation. From contactless payments to digital information systems, interfaces are being created that avoid direct contact between the passenger and the technology.

TSL-ESCHA's First Hybrid Push Button

TSL-ESCHA looks back on 35 years of experience in the development and production of push buttons. The focus is on the continuous development of products in order to realise holistic solutions to meet individual customer requirements. With the integration of touchless technology, TSL-ESCHA is expanding its successful Combikey (CK) push button series and

offers a product variation which additionally enables touchless activation of the push button.

The CK Touchless was designed for applications in rail vehicles and buses and can also be easily integrated into existing vehicles thanks to its simple installation. It offers a wide range of customised applications and is particularly suitable for use in wet cells and other areas where hygiene and cleanliness cannot be guaranteed on a permanent basis. The use of touchless technology also improves passenger comfort and increases personal well-being when using public transportation.

The CK Touchless is the first hybrid push button from TSL-ESCHA to feature a two-in-one solution. It is particularly user-friendly because, depending on the situation, preference and need, on the one hand it can be activated touchlessly via the sensor and, on the other hand, the passenger still has the option of activating it via the tactile touch surface.

The configuration of the touchless function ensures optimum coverage of the interaction area. Due to the pointed cone shape of the activation area, no adjacent push buttons are triggered. This ensures precise and reliable detection. In addition, the sensor detects wiping movements during cleaning processes, so the push button is only activated when the movement is intended. Due to this intuitive hand movement toward the tactile touch surface, the CK Touchless is easy to handle and can be actuated effortlessly.

Proven Product Features of the CK Series

The CK Touchless continues to combine the proven product features of the CK push button family. The robust building technology with a powder-coated stainless steel front bezel meets the requirements for quality and durability to meet the challenges of daily use in public transport. The transparent touch surface cover on the pictogram provides additional protection against abrasion and vandalism. Furthermore, the push button is also easy to clean thanks to its low-profile design and the stainless-steel cover.

With the CK push button series and its modular design, TSL-ESCHA offers a wide range of possible combinations of colours, pictograms, touch surfaces and tactile symbols that can be customised. The tactile



CK Touchless with WC pictogram

symbols are raised and comply in shape and size with the normative and legal requirements according to EN 14752.

The barrier-free and user-oriented operation makes the push button an efficient and reliable all-rounder in public transport that meets hygiene and customer requirements. The passengers' sense of safety and well-being is enhanced, while the passenger experience is improved.

Continuing to Grow as a Team

TSL-ESCHA, based in Halver (Germany) and MAFELEC in Chimilin (France) are part of the MAFELEC TEAM, an owner-managed French group of companies. As a know-how provider, the MAFELEC TEAM offers innovative solutions for HMI (human-machine interfaces), lighting, door opening push buttons, signal devices as well as sensors. Markets include bus and railway, industrial vehicles, industry, energy, defence, aerospace and elevators. The CK Touchless, as the first joint project, is the starting point for a successful future collaboration to continue to provide customers with customised and durable product solutions and ensure contemporary passenger comfort.



TOUCHLESS PUSH BUTTONS



MAFELEC TEAM
CREATING SMART AND
SUSTAINABLE INTERFACES

The push buttons can be activated contactlessly via a sensor. However, the passenger still has the option to carry out the activation using the tactile surface.

