

MADE IN GERMANY



**ELEKTROKONTAKT**

Fascinating Electrotechnics



# 2BSecure

Protect your Interfaces

4-5-6

secure  
simple  
flexible



### → Maximum security for USB and ETHERNET interfaces

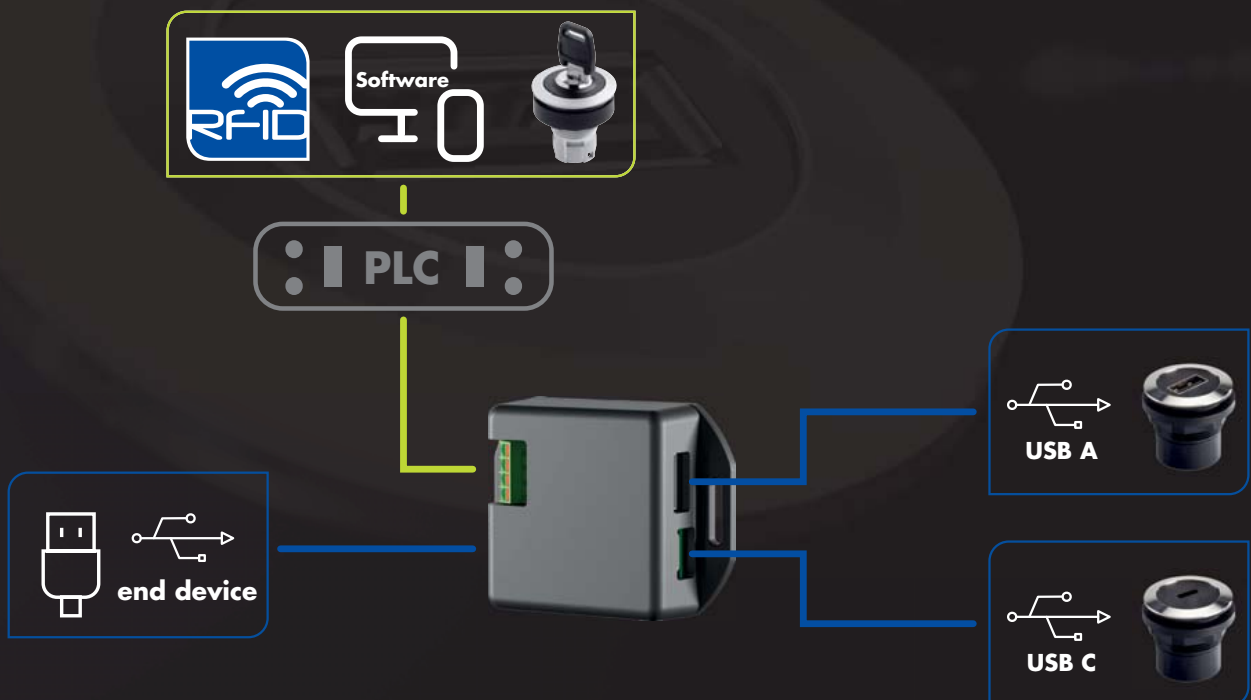
Machines and systems are more and more networked, which increases the risk of unauthorised access and cyber attacks. The new EU Machinery Regulation 2027, the CRA (Cyber Resilience Act) and the NIS-2 Directive contain strict cybersecurity regulations. Companies are obliged to comprehensively protect their machines against attacks and manipulation. 2BSecure, the innovative security solution for controlling USB and ETHERNET interfaces, offers the perfect answer.



### → How does 2BSecure work?

2BSecure is a compact black box that is placed between the machine control (PLC or IPC) and the connected USB or ETHERNET interface. The black box has one input and one output. The input is connected to the interface, the output to the machine control. By installing 2BSecure, the interfaces are deactivated by default, so that an unauthorised access is no longer possible. Access to the interface is only possible after manual activation by authorised personnel. The activation can be done directly via the machine control, for example by password, or more conveniently with a key switch or RFID system connected in between, which offers further protection options. Both, as well as suitable USB or RJ45 jacks, are also available at SCHLEGEL. Whether the USB or ETHERNET interface is active or inactive can be optimally displayed with a SCHLEGEL LED illuminated ring. The easy-to-install LED rings are available in different colours and colour combinations.

### → 2BSecure-USB





→ **2BSecure-RJ45**







→ **The advantages of 2BSecure at a glance:**

- 🛡️ Maximum control of USB and ETHERNET interfaces
- 🛡️ **Prevents unauthorised access** and protects against cyber attacks
- 🛡️ Interfaces are disabled by default
- 🛡️ **Only authorised personnel can activate the interface**, for example via software (PLC/IPC) or key switch or RFID system connected in between
- 🛡️ **Easy integration** into existing machines and plants
- 🛡️ Compatible with **NIS-2, CRA** and the **Machinery Regulation 2027**
- 🛡️ Modular and flexible, adaptable to different application scenarios



### → 2BSecure-RJ45 – network security at the highest level

ETHERNET interfaces on machines enable access to networks and control systems – and this is where major risks lie. With 2BSecure-RJ45, your network interfaces remain deactivated by default and can only be activated manually by an authorised user, e.g. via key switch or RFID.

Network security is a central component of the NIS-2 Directive, CRA and the Machinery Regulation 2027. With 2BSecure-RJ45 you not only meet legal requirements, but also effectively protect your machines against cyber attacks, unauthorised network access and manipulation. Protect your machines and networks through targeted control of the ETHERNET interfaces – with 2BSecure-RJ45.

#### Technical data

Connections: 2 x RJ45  
Rated voltage: 24 V  
Dimensions: 50 x 60 x 17 mm  
Type: TBSRJ45A  
Data rate: 100 mBit



## → 2BSecure-USB – protection for your machines and data

The USB interfaces on machines and systems pose a significant safety risk if they are accessible without control. With 2BSecure-USB, these interfaces are locked by default and only activated after explicit authorisation, e.g. by a key switch or RFID. This prevents the unnoticed introduction of malware or the unauthorised copying of sensitive data.

In times of increasing cyber threats and stricter security requirements, such as the new Machinery Regulation 2027, CRA and the NIS-2 Directive, protection against external access is crucial. 2BSecure-USB ensures that your machines do not become a target for attacks and that you have full control on every use. This ensures that only authorised persons have access to the interfaces.

Protect your systems effectively against cyber attacks – with 2BSecure-USB.

### Technical data

Connections: 2 x USB-A,  
1 x USB-C  
Rated voltage: 24 V  
Dimensions: 50 x 60 x 17 mm  
Type: TBSUSBA





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