USB-KeyButton with RGB lighting

Datasheet • Version 2.0

- USB-mushroom buttom with RGB lighting
- USB-button one NO contact
- LED-ring with 12 RGB-LEDs, each LED can be controlled separately.
- 5 Volt supply voltage via USB (500mA)
- USB2, Mini-USB with Buccaneer-connection (HID-Device)
- Adressable

Overview

The USB RGB-key was specially developed for use in industrial environments. The power supply and PC connection are provided via a USB mini plug from Buccaneer (srewable).

Functional description

An address can be assigned to the RGB key via the USB connection or it can be addressed via broadcast. The status can be displayed to the operator via the LED ring or an input request can be displayed.

The data exchange always consists of 64 bytes (send/receive) and always has the same structure:

Address, command, lenght and data.

LED display

Operating mode

All RGB-Key colours can be transferred to the RGB-key for all 12 LEDs, even separately for each LED.

The push-button function sends an actuated/ not actuated byte.

Further functions

Firmware updates can be installed via USB. Detailed information can be found in the operating instructions.

Technical Data

Dimensions: BxWxT 85x102x85 mm³
Weight: approx. 0,4 kg
Operating temperature: -20 … +50°C
Protection class: IP54
Powe supply: 5V DC (via USB), < 500mA
Connections: 1x USB-Mini (Buccaneer)
EMC: EN 61000-6-2 und EN 61000-6-4

Order information

Order no	Description and reference
24010	USB Button with RGB Lighting
295K2	USB-cabel Buccaneer A/mini-b 2 metres
295K4	USB-cabel Buccaneer A/mini-b 4,5 metres