Passive short-press switch type TS-1v2

Technical specifications:

Number of microswitches OMRON B3FS.....4
Nominal voltage of microswitches .....50 mA, 24 V DC
Number of LED indicators.....4
Operating voltage of LED indicators .....12 - 24 V DC

Connecting the wires to the connector:
Solid conductor .....min. 0,14 mm^2 - max. 0,5 mm^2
Stranded conductor . .....min. 0,2 mm^2 - max. 0,5 mm^2
Conductor AWG .....min. 24 – max. 20

Dimensions in mm (W x H x D) ..... 70,5 x 70,5 x 28
Weight ..... 36 g
Working temperature ..... - 10 °C do + 55 °C
Storage temperature ..... - 20 °C do + 70 °C
Designed for switch design OBZOR ..... AVANT, DECENTE, ELEGANT, NEXA
Mounting in multiple frames ..... Yes

Fig. 1: Position of LEDs and microswitches

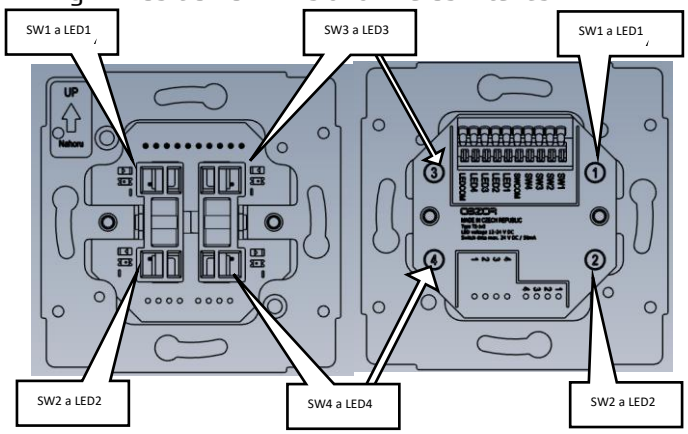
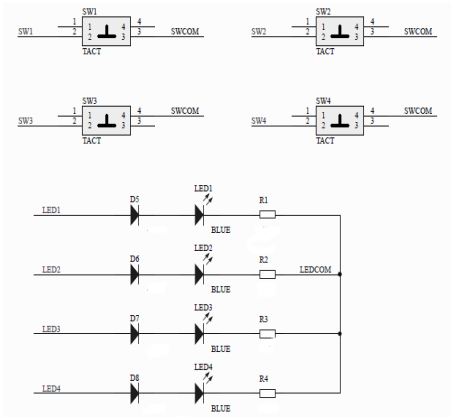
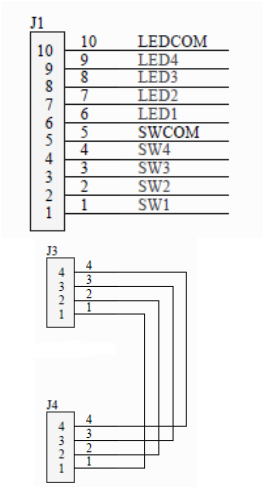


Fig. 2: Wiring diagram





Description of the short-press switch and its variants:

The short-press switch is standardly produced in a variant with two control elements that switch four separate microswitches. Switching on or other system information can be indicated by four independent LED indicators. The PCB (printed circuit board) can be fitted with a connector (with max. 4 pins) and with a sensor (with max. 4 pins) according to customer requirements.

Installation of switch mounting box:

- Use switch mounting box of min. depth 35 mm
- To install multiple fitting assemblies, it is necessary to use multiple boxes with 71 mm spacing of centres
- The switch mounting box must be placed flat (in plane) with the plaster wall
- In case of problems with a sunken mounting box, the VK1 or VK2 spacer (distance) rings must be used in order to prevent deformation of the fittings when the screws are tightened

Installation of switch:

- Strip the wires to a total length of 9 mm and insert them into the terminal block
- The position of the LED indicators and microswitches is shown in Fig. 1. The device is connected according to the wiring diagram in Fig. 2 and the description on the PCB.
- Fixing the device to the mounting box is done via the metal frame with two screws. The fastening screw must not have a countersunk head
- Place a design frame onto the metal frame of the device and lock it with screws
- Test for proper operation

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