

# record BLS 80

## Touchless sensor switch



### Touchless switch for automated doors

For hospitals, operating theatres, restaurants, kitchens, offices, educational facilities, as well as the food processing industry, non-contact switches are the perfect to prevent bacteria entering your building. If your hands are carrying objects or typing on the smartphone, approaching the switch is enough and the door opens.

contact with the object. The BLS 80 can be easily and quickly installed with a surface-mounted socket, or flush-mounted into the wall. Once the switch is electrically connected to the door control unit and the desired sensing range is set, it is already ready to be used.

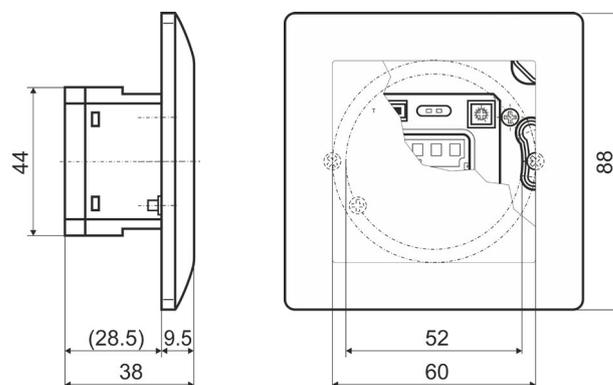
### Hygienic and user-friendly

Bacteria and viruses are mainly transmitted via hands. When the door handle turns into a germ-spreading device, this is a problem for companies, especially in the hygiene sector. In addition to opening the door easily, the record BLS 80 guarantees hygienic handling, as at no time does the skin come into

The sensor is hidden behind the white cover measuring 88 x 88 mm. It hides the sensor and signals the triggering with a blue LED.

### Technical data

| Dimensions         |                            |
|--------------------|----------------------------|
| Scanning range     | 5 – 50 cm                  |
| Front cover        | 88 x 88 mm                 |
| Installation depth | 28.5 mm                    |
| Mounting height    | in the hand area           |
| Connection data    |                            |
| Supply voltage     | 12 – 30 V DC, 12 – 24 V AC |
| Nominal power      | < 1.4 W                    |
| Relay output       | max. 1 A (30 V DC)         |



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### Mounting types

Optionally surface or recessed mounting possible

### Environmental conditions

#### Basic data

|                   |  |
|-------------------|--|
| Temperature range | -20° bis + 50° C                         |
| Humidity range    | up to 85 % rel. humidity, non-condensing |

### Certifications

#### Conformity to standards

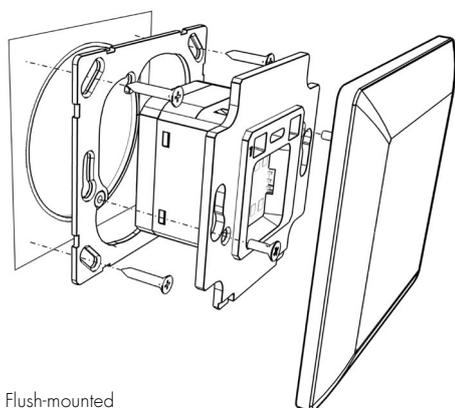
|                                 |      |
|---------------------------------|------|
| Protection class (DIN EN 60529) | IP54 |
|---------------------------------|------|

### Features

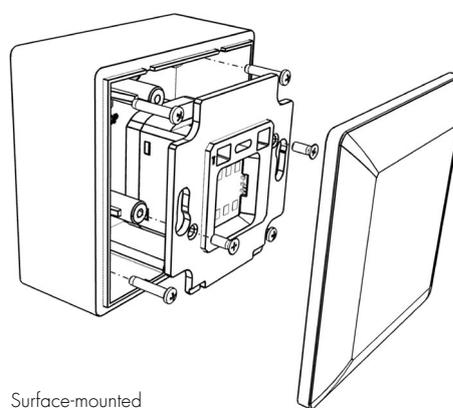
- Scanning range is adjustable from 5 to 50cm
- Floating relay change-over contact for the control of door operators
- Relay output optional as pulse or step circuit
- Signalling of the triggering by blue LED
- Replaceable front panel with application-related pictograms

### Applications

- Increased hygienic requirements for triggering door openings in hospitals; e.g. operating theatre doors, laboratories, patient rooms.
- Gesture control of automatic doors in residential and care facilities, also for people with movement impairments.
- Automatic doors in sanitary areas to reduce the spread of germs and dangerous pathogens.
- Deliberate door openings for service staff between the guest zone and the kitchen in catering establishments or for employees in the food processing industry.



Flush-mounted



Surface-mounted