

LED Sensor switches



Barrier-free & hygienic control of automatic doors



Automatic access solutions provide convenience, hygiene and style in both public and private applications. For the direct, effortless opening of doors, the wide range of capacitive LED sensor switches offers a hassle-free way of control – without any pressure at all.

what makes the sensor switch special?

- Manual activation by hand or other parts of the body - without any pressure
- Red and green LEDs for long-distance visibility and visual feedback
- Water-tight and very durable with 100 million switching cycles
- Low energy costs due to LED technology
- Flexible installation on wall, door and glass

Single-action door with ED 250 drive.
Combined with a glass sensor.



Automatic folding door FFT.
Combined with a foot sensor.



Double-leaf door with ED 250 drive.
Combined with a plastic-coated sensor



Four types for any case

Different applications require special solutions. Therefore, there are 4 different switch types.

Plastic-Coated with Braille

The plastic-coated vandal-proof sensor offers a Braille labeling (page 6)



Glass

The hygienic glass switch can be used in sterile areas (page 7)



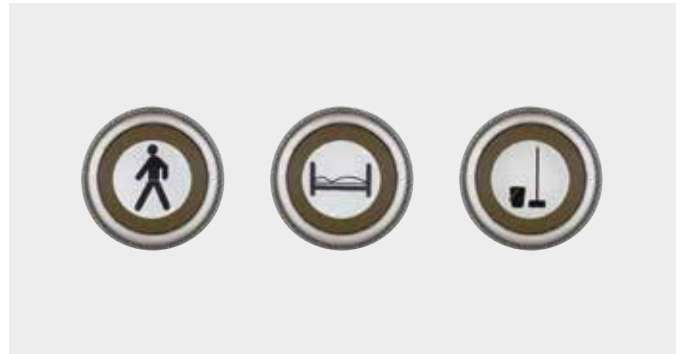
Foot

The robust foot switch bears up to 500 kg (page 9)



Mini leds

The 3 Mini LED sensor switches serve as program switches (page 8)



Optional ACCESSORIES

From page 10



| Technical details | Plastic-Coated with Braille | Glass | Foot | Mini LEDs |
|-----------------------------|---------------------------------------|-------|-------------------------------------|--|
| Supply voltage | 24 V DC (16.8 ... 32 V) | | | 24 V DC (10 ... 30 V) |
| Current consumption | Max. 30 mA bei 24 V | | Max. 20 mA bei 24 V | |
| Output | NPN-NO/PNP-NO | | NPN-NO/PNP-NO | NPN-NO |
| Output signal | approx. 300 ms | | | approx. 300 ms, switch „Cleaning“ with Toggle* |
| LED 1 | 8 green LEDs | | 8 green LEDs, separately switchable | 8 green LEDs, separately switchable |
| LED 2 | 8 red LEDs, changing | | | Red LED ring |
| Reverse polarity protection | Protection of all lines | | | |
| Short-circuit protection | Short-circuit and overload protection | | | |
| Voltage drop | Max. 3,5 V at 100 mA | | Max. 2 V at 200 mA | |
| Load current | Max. 100 mA (50 mA at + 80° C) | | Max. 200 mA | |
| Connection | Strands, 200 mm with ferrules | | 2 m, with ferrules | Strands, 200 mm with ferrules |
| Cable cross section | 0,25 mm ² per strand | | 4 x 0,25 mm ² | 0,25 mm ² per strand |
| Operating temperature | -30 to +80° C | | | -30 to +70° C |
| Degree of protection | Frontside IP 69K, backside IP 68 | | | |
| Type of operation | Capacitive | | | |
| Operation | Manual activation | | | |

*Toggle function: 1. Activation opens door, door remains open. 2. Activation closes door.


Plastic-Coated, Braille

Technical details

- polycarbonate with two cover frames
- Water-tight encapsulated electronics
- Long-distance visibility (8 green LEDs)
- Visual feedback (8 red LEDs)
- Acoustic feedback
- Switch surface 25 sqcm according to DIN 75077
- Installation types: screw mounting on wall, in-wall and on-wall mounting
- Colours: White - similar to RAL 9016, Grey, similar to RAL 7043

Benefits

- According to universal design principles (feeling, seeing) DIN 18040
- Braille version for the hard of seeing
- Vandal-proof (IK08)
- Water-tight (IP 69K)
- Very long durability (100 million cycles)
- Easy & safe installation thanks to reverse polarity protection

| | Product description | Article number | EAN number |
|---|---|--------------------|----------------------|
|  | <p>Especially for the hard of seeing, this vandal-proof sensor switch offers a Braille labeling and an acoustic feedback according to universal principles.</p> | <p>16672601170</p> | <p>4021226959053</p> |

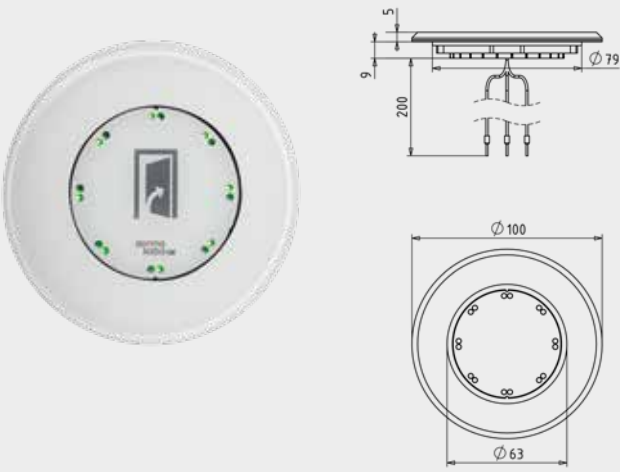
Glass

Technical details

- Toughened glass
- Water-tight encapsulated electronics
- Long-distance visibility (8 green LEDs)
- Visual feedback (8 red LEDs)
- Hygienic design version in relation to EN 1672-1/2
- Switch surface made of glass
- Installation types: glue mounting, optional: with retainer for in-wall mounting

Benefits

- For use in sterile areas
- Water-tight (IP 69K)
- Very long durability (100 million cycles)
- Easy & safe installation thanks to reverse polarity protection

| | Product description | Article number | EAN number |
|--|---|--------------------|----------------------|
|  | <p>The hygienic glass version for use in sterile areas.</p> | <p>16672901170</p> | <p>4021226959084</p> |

Foot

Technical details

- Robust stainless steel and toughened glass
- Water-tight encapsulated electronics
- Long-distance visibility (8 green LEDs)
- Visual feedback (8 red LEDs)
- Hygienic design version
- Installation types: mounting into floor, for use with height adjustable installation pad

Benefits

- Extremely robust, max. load of 500 kg
- For use in sterile areas
- Water-tight (IP 69K)
- Very long durability (100 million cycles)
- Easy & safe installation thanks to reverse polarity protection

| | Product description | Article number | EAN number |
|--|--|--------------------|----------------------|
| | <p>Wherever the activation by hand is not desired, the durable foot sensor with a maximum load of 500 kg comes to use.</p> | <p>16673101170</p> | <p>4021226959107</p> |

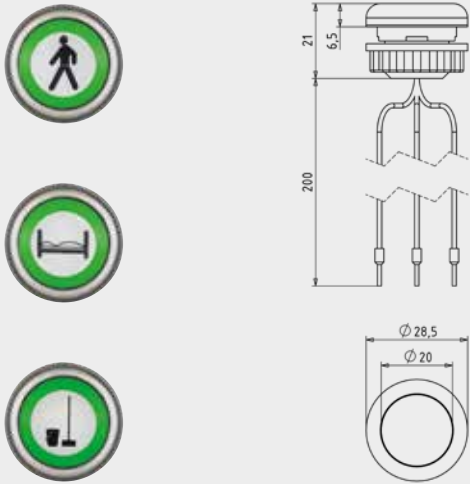
Mini LEDs

Technical details

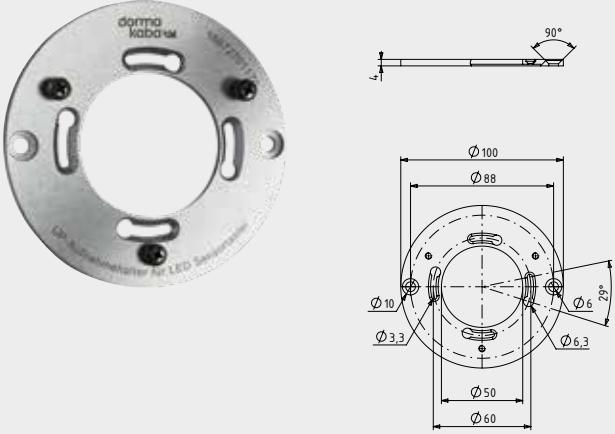
- Toughened glass with stainless steel ring
- Water-tight encapsulated electronics
- Long-distance visibility (green LED ring)
- Visual feedback (red LED ring)
- Hygienic design version
- Switch surface made of glass
- Installation types: screw mounting, glue mounting


Benefits

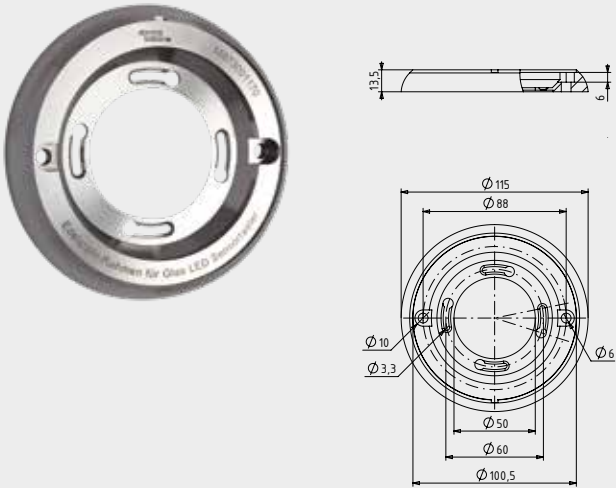
- Flexible with 3 different symbols for use as switches
- Especially for use with ES 400 sliding door drives for health-care applications
- For use in sterile areas
- Water-tight (IP 69K)
- Very long durability (100 million cycles)
- Easy & safe installation thanks to reverse polarity protection

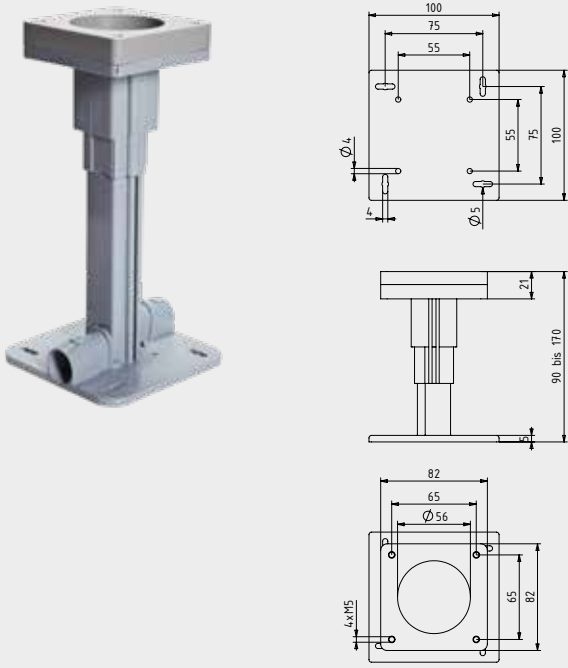
| | Product description | Article number | EAN number |
|--|---|--|--|
|  | <p>Different opening status of the door can be activated via these versatile mini switches.</p> <p>Person: Opening one door leaf of a single-action or double-leaf door; or partial opening of a sliding door</p> <p>Bed: Opening of both leaves of a double-leaf door; complete opening of a sliding door</p> <p>Cleaning tools: Constant impulse for keeping the door open; toggle-function: 1. signal opens doors, 2. signal closes door</p> | <p>16672301170</p> <p>16672401170</p> <p>16672501170</p> | <p>4021226959022</p> <p>4021226959039</p> <p>4021226959046</p> |

Accessories for LED Sensor switches

| | Product description | Article number | EAN number |
|---|---|--------------------|----------------------|
|  | <p>Aufnahmehalter für LED Sensortaster mit Kunststoffrahmen zur Montage auf Unterputzdose</p> | <p>16672701170</p> | <p>4021226959060</p> |

| | Product description | Article number | EAN number |
|---|--|--------------------|----------------------|
|  | <p>Aufnahmehalter für LED Sensortaster mit Kunststoffrahmen zur Aufputzmontage</p> | <p>16672801170</p> | <p>4021226959077</p> |

| | Product description | Article number | EAN number |
|--|--|---------------------------|-----------------------------|
|  | <p>Edelstahlrahmen V2A für Glas LED Sensortaster zur Verschraubung</p> | <p>16673001170</p> | <p>4021226959091</p> |

| | Product description | Article number | EAN number |
|---|--|---------------------------|-----------------------------|
|  | <p>Montagehalter zum Einbau des Fuß LED Sensortasters in den Boden, höhenverstellbar (95 – 200 mm) belastbar bis 80 kg</p> | <p>16673201170</p> | <p>4021226959114</p> |

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