



**Datasheet**  
**Protection System**  
**for motor control units**  
**ACS-CB-SENS**

Rev 0



MOTION FOR YOUR LIFE



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## 1. Features

- Pinch protection
- Interaction with ISP (Intelligent System Protection)
- LogicConnector DATA for connection to compatible control units
- Possibility to activate and deactivate the protection system



**Caution:** do not open the device! Risk of electric shock!

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### **WARNING**

Avoid damaging the AC plug and power cord. Never operate this unit if the power cord is damaged. Use only the provided power cord.

Connect the plug only to an electrical source matching the type label.

Never operate this unit until the control box is mounted and fully installed.

Never operate the control box until it is mounted and fully installed.

### **CAUTION**

Do not open this unit. Uninsulated parts within the product's enclosure may expose you to dangerous voltage. Servicing may only be carried out by qualified personnel. Contact **LOGICDATA**.

To prevent fire or shock hazard, do not expose this device to rain or moisture.

Unplug the power cord before cleaning this unit. Only use a soft cloth, avoid abrasive cleaners.

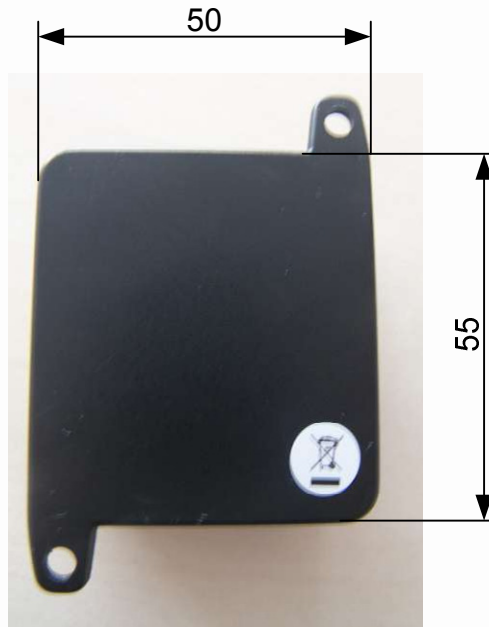
If you are not using the device for a long period of time, it is recommended to unplug the power cord.

If strange smells or fume occur, unplug the power cord immediately. Contact **LOGICDATA**.



## 2. Type and Dimensions

ACS-CB-SENS: 1)

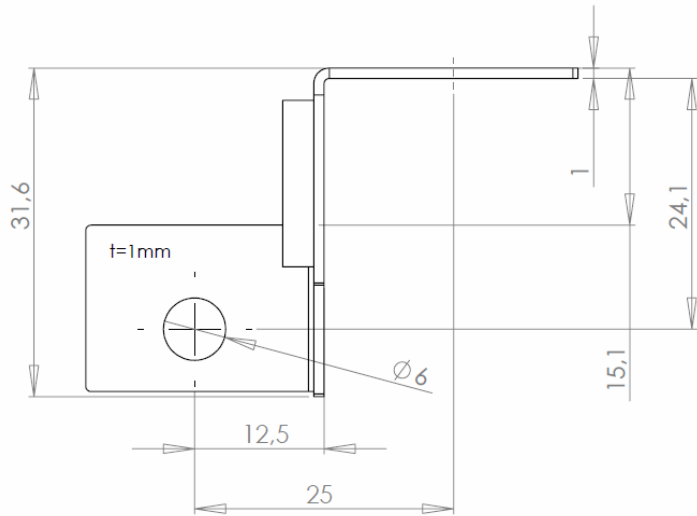


1) Dimensions in mm; Tolerances according to DIN ISO 2768-1 c

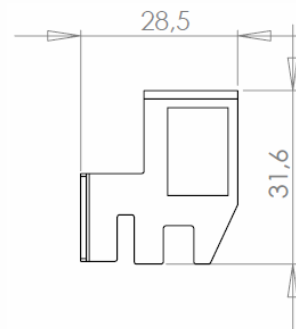


**LOG-PRT-DMS-LD: 1)**

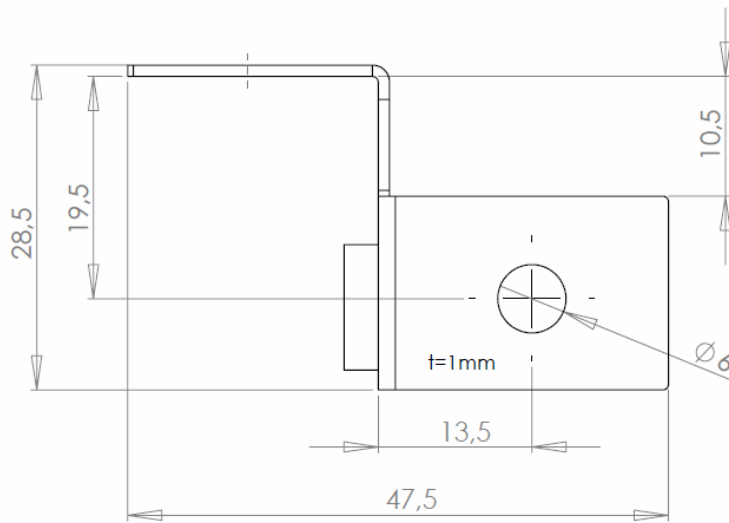
Front view:



Side view:



Top view:



1) Dimensions in mm; Tolerances according to DIN ISO 2768-1 c



### 3. Technical Data <sup>1)</sup>

Supply voltage	5VDC $\pm$ 10%
Ambient temperature	0-30 °C
Relative humidity (for operation)	5-85% (non condensing)
Storage and transport temperature	-40-85 °C
Relative humidity (for storage)	5-90% (non condensing)
Dimensions ACS-CB-SENS (L x B x H) [mm]	55x50x30
Tolerances	according to DIN ISO 2768-1 c



**Danger:** do not connect any other sensor units than LOG-PRT-DMS-LD to the ACS-CB-SENS!

#### 3.1 Intelligent System Protection (ISP) - Anti Pinch

Pay attention to the following instructions if you are using the new anti-pinch feature ISP (= Intelligent System Protection).

- To ensure optimal operation of the anti-pinch function during downwards travel, a mechanical braking system has to be integrated in the motor.
- Without such a braking system you have to expect decreased stop sensitivity under load. However, when the table is unloaded, the anti-pinch function will operate satisfyingly. Notice that the stop sensitivity is considerably influenced by mechanical construction of the table, motor and ambient conditions.
- The anti-pinch function drastically reduces the risk of injuries. However, we point out that we cannot be held liable in the case of mal operation, because the anti-pinch function interacts with mechanics, motor activity and electronics.



**Danger:** systems containing the **LOGICDATA** Control Unit with anti-pinch function will reduce the risk of injury. Be aware that **LOGICDATA** cannot completely eliminate this risk.



**Note:** the ISP-sensitivity and the ISP-cutoff value depend on the whole system (mechanical and electrical components). To evaluate the ISP-capability of a height adjustable table, please contact **LOGICDATA**!

1) Dimensions in mm; Tolerances according to DIN ISO 2768-1 c



### 3.2 Type Label

The following figure shows the type label and its location on the control box housing.



## 4. Final Disposal

Heed following disposal instructions when disposing of the ACS-CB-SENS protection system:



**Note:** ensure eco-friendly disposal of all the control unit components (separate the plastic and electronic parts for collection).

Also ensure eco-friendly disposal of all the other components (drives, cables, etc.).



**Note:** this product is RoHS compliant according to directive 2002/95/EC!



**Note:** this product is REACH compliant according to directive 2006/121/EC (Edict 1907/2006)

## 5. Manufacturer Information

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