Datasheet

Protection System for motor control units

ACS-CB-SENS

Rev 0

Subject to change without notice. Errors and omissions excepted. LOGICDATA cannot accept responsibility for incorrect operation or use of the products other than for the intended purpose.

Under the warranty terms, LOGICDATA shall replace or repair any products that prove defective at the time of delivery. LOGICDATA shall not assume any further liability.

If you have any questions or special requests, please contact LOGICDATA direct.

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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!

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply voltage</td>
<td>5VDC ±10%</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0-30 °C</td>
</tr>
<tr>
<td>Relative humidity (for operation)</td>
<td>5-85% (non condensing)</td>
</tr>
<tr>
<td>Storage and transport temperature</td>
<td>-40-85 °C</td>
</tr>
<tr>
<td>Relative humidity (for storage)</td>
<td>5-90% (non condensing)</td>
</tr>
<tr>
<td>Dimensions ACS-CB-SENS (L x B x H) [mm]</td>
<td>55x50x30</td>
</tr>
<tr>
<td>Tolerances</td>
<td>according to DIN ISO 2768-1 c</td>
</tr>
</tbody>
</table>

**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-pincher feature ISP ( = Intelligent System Protection).

- To ensure optimal operation of the anti-pincher 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-pincher function will operate satisfyingly. Notice that the stop sensitivity is considerably influenced by mechanical construction of the table, motor and ambient conditions.
- The anti-pincher 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-pincher function interacts with mechanics, motor activity and electronics.

**Danger:** systems containing the LOGICDATA Control Unit with anti-pincher 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!
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

<table>
<thead>
<tr>
<th>LOGICDATA</th>
<th>Tel.: +43 (0)3462 5198 0</th>
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