83325/2-5..
Videoverteiler Außen
Outdoor video distributor
Distributeur vidéo extérieur
Videoverdeler buiten
Внешний
видеораспределитель
Rozdzielacz wideo
Videofordeler utendørs
Videofördelare, yttre
Videojakaja, ulko
Splitter video esterno
Distribuidor de video
室外视频分配器
# ABB-Welcome

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1 Safety

Warning
Electric voltage!
Risk of death and fire due to electrical voltage of 100-240 V.
– Work on the 100-240V supply system may only be performed by authorized electricians!
– Disconnect the mains power supply prior to installation and/or disassembly!

2 Intended use

The 83325/2-500 video distributor is an integral part of the ABB-Welcome door entry system and operates exclusively with components from this system. The device must only be installed on mounting rails according to DIN EN 500022.

3 Environment

Consider the protection of the environment!
Used electric and electronic devices must not be disposed of with household waste.
– The device contains valuable raw materials that can be recycled. Therefore, dispose of the device at the appropriate collecting facility.

3.1 ABB devices
All packaging materials and devices from ABB bear the markings and test seals for proper disposal. Always dispose of the packaging material and electric devices and their components via authorized collecting facilities and disposal companies.
ABB products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.
(EU-Directive 2002/96/EG WEEE and 2002/95/EG RoHS)
(EU-REACH ordinance and law for the implementation of the ordinance (EG) No.1907/2006)

4 User manual
# Technical data

<table>
<thead>
<tr>
<th>Designation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature (EN 50486)</td>
<td>-5 °C - +45 °C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20 °C - +70 °C</td>
</tr>
<tr>
<td>Protection</td>
<td>IP 20</td>
</tr>
<tr>
<td>Single-wire clamps</td>
<td>2 x 0.28 mm² - 2 x 0.75 mm²</td>
</tr>
<tr>
<td>Fine-wire clamps</td>
<td>2 x 0.28 mm² - 2 x 0.75 mm²</td>
</tr>
<tr>
<td>Volume</td>
<td>Max. 80 dB</td>
</tr>
<tr>
<td>Bus voltage</td>
<td>28±2 V</td>
</tr>
<tr>
<td>Size</td>
<td>2 TE</td>
</tr>
</tbody>
</table>
6 Mounting/installation

Warning

Electric voltage!
Risk of death and fire due to electrical voltage of 100-240 V.
- Low-voltage and 100-240 V cables must not be installed together in a flush-mounted socket!
  In case of a short-circuit there is the danger of a 230 V load on the low-voltage line.

6.1 Requirements for the electrician

Warning

Electric voltage!
Install the device only if you have the necessary electrical engineering knowledge and experience.
- Incorrect installation endangers your life and that of the user of the electrical system.
- Incorrect installation can cause serious damage to property, such as a fire.

The minimum necessary expert knowledge and requirements for the installation are as follows:
- Apply the "five safety rules" (DIN VDE 0105, EN 50110):
  1. Disconnect from power.
  2. Secure against being re-connected.
  3. Ensure there is no voltage.
  4. Connect to earth.
  5. Cover or barricade adjacent live parts.
- Use suitable personal protective clothing.
- Use only suitable tools and measuring devices.
- Check the type supply network (TN system, IT system, TT system) to secure the following power supply conditions (classic connection to ground, protective earthing, necessary additional measures, etc.).

6.2 General installation instructions

- Terminate all branches of the wiring system via a connected bus device (e.g., indoor station, outdoor station, system device).
- Do not install the system controller directly next to the bell transformer and other power supplies (to avoid interference).
- Do not install the wires of the system bus together with 230 V wires.
- Do not use common cables for the connecting wires of the door openers and wires of the system bus.
- Avoid bridges between different cable types.
- Use only two wires for the system bus in a four-core or multi-core cable.
- When looping, never install the incoming and outgoing bus inside the same cable.
- Never install the internal and external bus inside the same cable.
6.3 Mounting
The device 83325/2-5.. must only be installed on mounting rails according to DIN EN 500022.

6.4 Connection

![Diagram](image)

**Fig. 1:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Function</th>
</tr>
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</table>
| 1   | Systemzentrale/Außenbus  
System controller/outdoor bus  
Centrale système/bus extérieur  
Systeemcentrale/buitenbus  
Системный контроллер/внешняя шина  
Centrala systemu/magistrala zewnętrzna  
Systemscentral/utenders-bus  
Systemcentral/ytterbuss  
Järjestelmäkeskus/ulkoväylä  
Centralina/bus esterno  
Central del sistema/Bus exterior  
系统控制器/室外总线 |
| 2 / 3 | Außenstationen/Außenbus  
Outdoor stations/outdoor bus  
Interphones extérieurs/bus extérieur |
<table>
<thead>
<tr>
<th>Buitenposten/buitenbus</th>
<th>Внешние переговорные пункты/внешняя шина</th>
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<tbody>
<tr>
<td>Stacje zewnętrzne/magistrala zewnętrzna</td>
<td>Utendørsstasjoner/utendørs-bus</td>
</tr>
<tr>
<td>Ytterstationer/ytterbuss</td>
<td>Ulkoasemat/ulkoväylä</td>
</tr>
<tr>
<td>Stazioni esterne/bus esterno</td>
<td>Estaciones exteriores/Bus exterior</td>
</tr>
<tr>
<td>门口机/室外总线</td>
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