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USB socket
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1  Intended use

The device serves for connecting multi-media devices via a USB connection.

2  Environment

Consider the protection of the environment!

Used electric and electronic devices must not be disposed of with domestic waste.

– The device contains valuable raw materials which can be recycled. Therefore, dispose of the device at the appropriate collecting depot.

2.1  Disposal

All packaging materials and devices bear the markings and test seals for proper disposal. Always dispose of the packaging material and electric devices and their components via the authorized collecting depots and disposal companies.

The products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.


(EU REACH ordinance and law for the implementation of the ordinance (EC) No.1907/2006)
3 Operation

Caution
Use only standardized accessories.
– The use of non-standardized accessories can lead to malfunction or can damage the devices.

1. Insert the connecting line plug from the signal source, such as DVD player or MP3 player, into the socket of the communication adapter.
2. Insert the connecting line plug of the player, such as LCD/Plasma TV or music system, into the socket of the second communication adapter.
3. Insert the plugs into the socket with as little force as possible to avoid twisting or tilting the contacts in the plug.

4 Technical data

<table>
<thead>
<tr>
<th>Designation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>Flush-type installation</td>
</tr>
<tr>
<td>Screw contacts</td>
<td>5 screw contacts</td>
</tr>
<tr>
<td>Material</td>
<td>Die-cast zinc</td>
</tr>
<tr>
<td>Dimensions</td>
<td>70 mm (Width) x 70 mm (Height) x 41 mm (Depth)</td>
</tr>
</tbody>
</table>
5 Mounting / Installation

Warning

Electric voltage!
Risk of death and fire due to electrical voltage of 230 V.
- Low-voltage and 230 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.

5.1 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, e.g. due to 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.).
5.2 Mounting
The device may only be installed in suitable flush-mounted sockets (DIN 49073-1) or a suitable surface-mounted housing.

USB is a serial bus which has replaced many serial and parallel interfaces. The USB socket KM-USB supports the USB 2.0 standard and can therefore also be used for USB 1.0/1.1 plugs with type A plug face.

Fig. 1:
1. Remove approximately 20 mm of the outer sheath.

Fig. 2:
2. Twist the braid.
3. Remove the foil screen from the cables.
Mounting / Installation

Fig. 3:

4. Remove approximately 5 mm of insulation from the wires.
5. Tin-coat the ends of the wires with a soldering iron. Or 0.34 mm wire-end sleeves may be used.

Fig. 4:

6. Fix the cable with a cable tie to the strain relief of the support web (1).
7. Insert the wires and the shielding according to their markings into their respective positions.

The cable is now installed.
6 Connection

6.1 Assignment

![Plug (from the front)](image1)

![Socket (from the front)](image2)

Fig. 5:

<table>
<thead>
<tr>
<th>Terminal number</th>
<th>Terminal designation</th>
<th>PIN no. of the socket</th>
<th>Colour example for the cable assignment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>5 V</td>
<td>PIN 1</td>
<td>Red</td>
<td>VCC (+5 V)</td>
</tr>
<tr>
<td>4</td>
<td>D-</td>
<td>PIN 2</td>
<td>White</td>
<td>D- (Data-)</td>
</tr>
<tr>
<td>3</td>
<td>D+</td>
<td>PIN 3</td>
<td>Green</td>
<td>D+ (Data+)</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>PIN 4</td>
<td>Black</td>
<td>GND (Dimensions)</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>Screen</td>
<td></td>
</tr>
</tbody>
</table>
## Fault rectification

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>No signal at the player after the signal source has been switched on.</td>
<td>Player has not been switched on.</td>
<td>Switch the player on.</td>
</tr>
<tr>
<td></td>
<td>The plug has come out.</td>
<td>Check all plug connections for correct seating.</td>
</tr>
<tr>
<td></td>
<td>Incorrect installation.</td>
<td>Check the installation.</td>
</tr>
<tr>
<td>No video signal at the player after the signal source has been switched on.</td>
<td>Signal source is not recognized by the player.</td>
<td>Select the signal source manually via the remote control or via the channel selection keys of the player.</td>
</tr>
<tr>
<td></td>
<td>Incorrect installation.</td>
<td>Check the installation.</td>
</tr>
<tr>
<td>No audio signal at the player after the signal source has been switched on.</td>
<td>The volume has been set too low at the signal source or on the player.</td>
<td>Increase the volume.</td>
</tr>
<tr>
<td></td>
<td>The sound on the player is set on mute.</td>
<td>Deactivate the mute function.</td>
</tr>
<tr>
<td></td>
<td>Incorrect installation.</td>
<td>Check the installation.</td>
</tr>
<tr>
<td>The player is not recognized.</td>
<td>The plug has come out.</td>
<td>Check all plug connections for correct seating.</td>
</tr>
<tr>
<td></td>
<td>Incorrect installation.</td>
<td>Check the installation.</td>
</tr>
<tr>
<td>No data transmission.</td>
<td>The plug has come out.</td>
<td>Check all plug connections for correct seating.</td>
</tr>
<tr>
<td></td>
<td>Incorrect installation.</td>
<td>Check the installation.</td>
</tr>
</tbody>
</table>
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