PM1-LISD Loudspeaker DC blocking board

The DC blocking board is used in combination with a Loudspeaker Line Isolation System. It connects in the loudspeaker line and provides a tap-off connection for a loudspeaker. Its coupling capacitor blocks DC and protects from overload by limiting the current. It uses detachable screw connectors, which allow for a quick and convenient connection of the loudspeaker loop and tap-off connections (maximum 20 W loudspeaker load). The DC blocking board can be mounted inside selected Bosch loudspeakers or in its own IP30-rated housing.

Regulatory information

<table>
<thead>
<tr>
<th>Emergency standard certifications</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Europe</td>
<td>EN 54-16</td>
</tr>
<tr>
<td>International</td>
<td>ISO 7240-16</td>
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<tr>
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<tbody>
<tr>
<td>Europe</td>
<td>EN 50849</td>
</tr>
<tr>
<td>Netherlands</td>
<td>NEN 2575</td>
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<tr>
<td>Germany</td>
<td>VDE 0833-4</td>
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<tr>
<td>Immunity</td>
<td>EN 55035</td>
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<td>EN 50130-4</td>
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<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
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<tr>
<td>Europe</td>
<td>CE DECL EC PM1-LISD</td>
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<th>Conformity declarations</th>
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<tr>
<td>Europe</td>
<td>CE/CPR</td>
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| Safety                            | EN 62368-1 |
**Installation/configuration notes**

**Installation example**

1. Line isolator drive
2. Line isolator module
3. Loudspeaker DC blocking board
4. Line isolator adapter USB RS485

**Parts included**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>DC Blocking Board</td>
</tr>
<tr>
<td>1</td>
<td>Set of Connectors</td>
</tr>
</tbody>
</table>

**Technical specifications**

**Electrical**

- Loudspeaker loop connection: 120 VAC audio, max 5 A
- Maximum loop-through loudspeaker load: 500 W
- Maximum tap-off load: 20 W on tap-off
- High pass filter (tap-off, 100 V): 67 Hz at 20 W load; 34 Hz at 10 W load

**Mechanical**

- Dimension (H x W x D) (mm): 60 mm x 45 mm x 30 mm
- Dimension (H x W x D) (in): 2.70 in. x 1.80 in. x 0.60 in.
- Mounting type: Internally mounted in the loudspeaker
- Weight (g): 16 g

**Environmental**

- Operating temperature (°C): -5 °C – 55 °C
- Operating temperature (°F): 23 °F – 131 °F
- Storage temperature (°C): -20 °C – 70 °C
- Storage temperature (°F): -4 °F – 158 °F
- Transportation temperature (°C): -20 °C – 70 °C
- Transportation temperature (°F): -4 °F – 158 °F
- Operating relative humidity, non-condensing (%): 15% – 90%
- Air pressure (hPa): 600 hPa – 1100 hPa

**Ordering information**

PM1-LISD Loudspeaker DC blocking board
Loop-through loudspeaker connection board with DC blocking capacitor on tap-off.
Order number **PM1-LISD | F.01U.288.246**

**Weight (oz)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight (oz)</th>
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<tbody>
<tr>
<td>DC Blocking Board</td>
<td>0.60 oz</td>
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</table>

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