CAN-MULTI-SOUND-MODUL

IMPRESSIVE SOUND DIVERSITY IN THE COCKPIT

The CAN-Multi-Sound-Modul not only offers various advantages in serial applications. It is also an innovative detail in the developing of new vehicle systems. For example the Knorr-Bremse Systeme für Nutzfahrzeuge GmbH uses the Multi-Sound-Modul in test vehicles and prototypes that are not able to send qualified signals due to missing dashboards. In this test application the Multi-Sound-Modul acoustically depicts a warning message in a cockpit, like this of an emergency brake assistant. The fact, that customers are able to parameterise the Multi-Sound-Modul by themselves according to their requirements offers the possibility to realize various applications fast.

TECHNICAL DETAILS

- Operating voltage range 9-36V
- 6 Digital inputs for direct control of signals, e.g. flashing function („klick-klack“).
- Parameterizable functions by miunskeToolchain:
  - Volume of each sound
  - One-time or automatic sound-repetition with adjustable interval times
  - Sound database with more than 50 standard sounds
  - Customized acoustic signals realizable
  - Sleep-mode
  - Mute function
  - Monitoring the supply voltage in a range of 9-36 V

APPLICATION

- to increase the signal diversity in cockpits
- self-propelled working machines
- tool for new developments

HIGHLIGHTS

Using the free software “Toolchain” available at developer.miunske.com/en/downloads. The module can be configured with an individual selection of sounds depending on its application.

QUICKFACTS

production volume

<table>
<thead>
<tr>
<th>series</th>
<th>single unit</th>
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<tbody>
<tr>
<td>1 week</td>
<td>6 months</td>
</tr>
<tr>
<td>1 year</td>
<td></td>
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development time

<table>
<thead>
<tr>
<th>type of application</th>
<th>series</th>
</tr>
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<tbody>
<tr>
<td>standard</td>
<td>individual</td>
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Regarding the application type, the production volume and development time, please see the quickfacts section for detailed information.

The online product catalogue available at miunske.com