

# Technical data sheet

## Piezo buzzer

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### Identification

|          |                    |
|----------|--------------------|
| Type     | SUS SUMMER ADTRANZ |
| Part-No. | 716083             |

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### Product version

|                   |    |
|-------------------|----|
| Datasheet version | 02 |
|-------------------|----|

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### Use/Application/Properties

|             |  |
|-------------|--|
| Description | Buzzer module for rail applications. The volume of the buzzer module can be reduced to 60 dB by installing a resistor in place of the standard wire jumper (see table) |
|-------------|--|

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### Technical data

|                                    |   |
|------------------------------------|---|
| Voltage range                      | DC 5 V – 35 V   |
| Rated current (at $U_N$ )          | 13 mA at DC 35 V                                      |
| Rated frequency $f_N$              | 2500 Hz   |
| Sound pressure (in delivery state) | 85 dB (at distance of 1 m, at 24 V operating voltage) |
| Buzzer type                        | Piezo Ceramic   |

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### General

|                             |   |
|-----------------------------|---|
| Connection type             | Spring terminal: single stranded 0.08 – 2.5 mm <sup>2</sup> , fine stranded 0.08 – 2.5 mm <sup>2</sup><br>Stripping length: 5 – 6 mm<br>Screwdriver: 3.5 × 0.5 mm |
| Mounting                    | DIN rail mounting   |
| Operation temperature range | -25 °C ... +70 °C   |
| Storage temperature range   | -25 °C ... +80 °C   |
| Dimensions (w × h × d)      | 50.0 mm × 55.0 mm × 50.0 mm   |
| Weight/unit                 | 0.045 kg  |

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### Miscellaneous

#### Volume settings

#### Sound pressure (at 24 V operating voltage) @ Serial resistor

75 dB @ 1 k $\Omega$  / 0.6 W  
70 dB @ 3.3 k $\Omega$  / 0.6 W  
65 dB @ 6.8 k $\Omega$  / 0.6 W  
60 dB @ 18 k $\Omega$  / 0.6 W

### Standards/Certifications

#### Standards

**EN 50155:** Railway applications – Rolling stock – Electronic equipment  
**EN 50121-3-2:** Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus  
**EN 50124-1:** Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment  
**EN 61373:** Railway applications – Rolling stock equipment – Shock and vibration tests

The standard applicable to this product is dependent on the version available for development. The standards applicable to this product are available on request.

### Notes and Comments

#### Comments

If connection "CP" is not connected, the buzzer operates in "Cricket" mode.  
If connection "CP" is connected to connection "-", the buzzer operates in continuous-tone mode.

### Dimensions

