Piezo buzzer

Identification	Type	SUS-6149 / FK DC 24V
	Part-No.	716149

Product version	
Hardware revision	B
Software version	1.0
Datasheet version	01

Use/Application/Properties	
Description	Buzzer module for rail applications. 16 different frequencies can be set with the aid of a DIP switch. The volume of the buzzer module can be reduced by an installed resistor.

Technical data	
Voltage range	DC 10 V – 30 V
Rated current (at U_N)	30 mA at DC 24 V
Rated frequency f_N	200 – 4000 Hz (adjustable via DIP switch)
Sound pressure	92 dB at 2500 Hz (at distance of 30 cm, for U_N)
Buzzer type	SCS 32, manufacturer: Sonitron

General	
Connection type	Spring terminal: single stranded 0.08 – 2.5 mm^2, fine stranded 0.08 – 2.5 mm^2 Stripping length: 5 – 6 mm Screwdriver: 3.5 × 0.5 mm
Mounting	DIN rail mounting
Operation temperature range	-40 °C … +70 °C (+85 °C 10 min)
Storage temperature range	-40 °C … +85 °C
Dimensions (w × h × d)	50.0 × 55.0 × 34.0 mm
Weight	0.028 kg/piece

Piezo buzzer

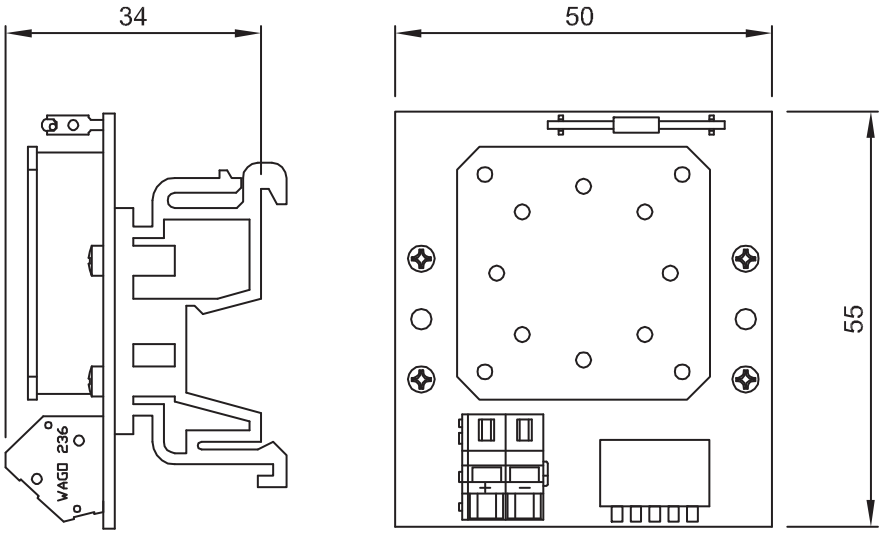
Standards

EN 50155:2017: Railway applications – Rolling stock – Electronic equipment
EN 50121-3-2:2016: Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus
Minor deviations are possible during interference.
EN 50124-1:2017: Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment
EN 61373:2010: Railway applications – Rolling stock equipment – Shock and vibration tests
EN 45545-2:2013+A1:2015: Railway applications – Fire protection on railway vehicles – Part 2: Requirements for fire behaviour of materials and components

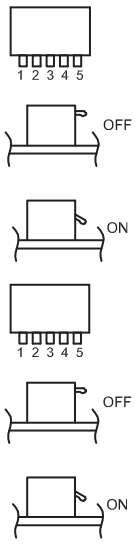
Comments

Switch position 5 "ON“:
Delivery status (no additional resistor is connected in series)
Switch position 5 "OFF“:
A resistor (0-5 kΩ) must be soldered between the solder tags. Its function is to reduce the volume.
The switch position may only be changed in the de-energised state.

Dimensions



Table



switch 1 position	switch 2 position	switch 3 position	switch 4 position	frequency
OFF	OFF	OFF	OFF	200Hz
ON	OFF	OFF	OFF	260Hz
OFF	ON	OFF	OFF	300Hz
ON	ON	OFF	OFF	350Hz
OFF	OFF	ON	OFF	400Hz
ON	OFF	ON	OFF	450Hz
OFF	ON	ON	OFF	500Hz
ON	ON	ON	OFF	550Hz

switch 1 position	switch 2 position	switch 3 position	switch 4 position	frequency
OFF	OFF	OFF	ON	600Hz
ON	OFF	OFF	ON	650Hz
OFF	ON	OFF	ON	700Hz
ON	ON	OFF	ON	800Hz
OFF	OFF	ON	ON	2500Hz
ON	OFF	ON	ON	3000Hz
OFF	ON	ON	ON	3600Hz
ON	ON	ON	ON	4000Hz