

# PSD-S AE SM8-6 102DB/1 - Acoustic element



2702997

<https://www.phoenixcontact.com/us/products/2702997>

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Siren element, 8 tones, 24 V AC/DC, max. 102 dB(A), tones selectable by DIP switch, black



## Product description

This audible signal element is designed as a component of a modular signal tower. According to your requirements, a signal tower may comprise any combination of up to five signal elements. You may use up to five optical signal elements or up to four optical and one audible signal element. Only use an audible signal element as the top element. A bayonet locking system establishes the mechanical and electrical connection between the elements. Connection elements with spring-cage or screw connection can be used for electrical connection of the signal tower. Mounting elements for base or tube mounting can be used to mount the signal tower. Please note that PSD-S signal towers (70 mm diameter) are not mechanically compatible with PSD-S 50 signal towers (50 mm diameter).

## Your advantages

- Multi-tone siren signaling depending on the situation
- Eight tone functions can be set via DIP switches
- Adjustable volume
- Min. volume of 92 dB(A)
- Continuous tone with periodically increasing tone frequency (sweep: 1 kHz to 3.5 kHz)

## Commercial data

Item number	2702997
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR07
Product key	DRL113
Catalog page	Page 519 (C-6-2019)
GTIN	4055626492063
Weight per piece (including packing)	92.4 g
Weight per piece (excluding packing)	92.4 g
Customs tariff number	85318070
Country of origin	DE

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## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Acoustic element
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#### Data management status

Article revision	00
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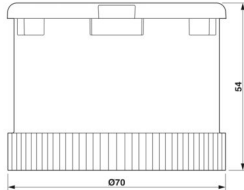
### Electrical properties

Maximum power dissipation for nominal condition	0.72 W
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#### General

Input voltage	24 V AC/DC $\pm$ 10 %
Nominal input voltage range	21.6 V AC/DC ... 26.4 V AC/DC
Maximum inrush current	max. 250 mA
Current consumption	30 mA
Operating time	100 %
Service life electrical	min. 5,000 h
Type of acoustic signal	8 tones, adjustable volume
Signal frequency	approx. 20 Hz (Trill tone) approx. 420 Hz (Hum tone) approx. 3.5 kHz (Continuous tone with periodically increasing tone frequency (sweep: 1 kHz to 3.5 kHz))
Tone frequency	approx. 2.8 kHz
Volume	max. 102 dB (Continuous and pulse tone at 2.8 kHz)

### Dimensions

Dimensional drawing	
Height	54 mm
Diameter	70 mm

### Material specifications

Color	black
Material	Polycarbonate PC

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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65, when installed
Ambient temperature (operation)	-30 °C ... 50 °C

## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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## Mounting

Mounting position	any
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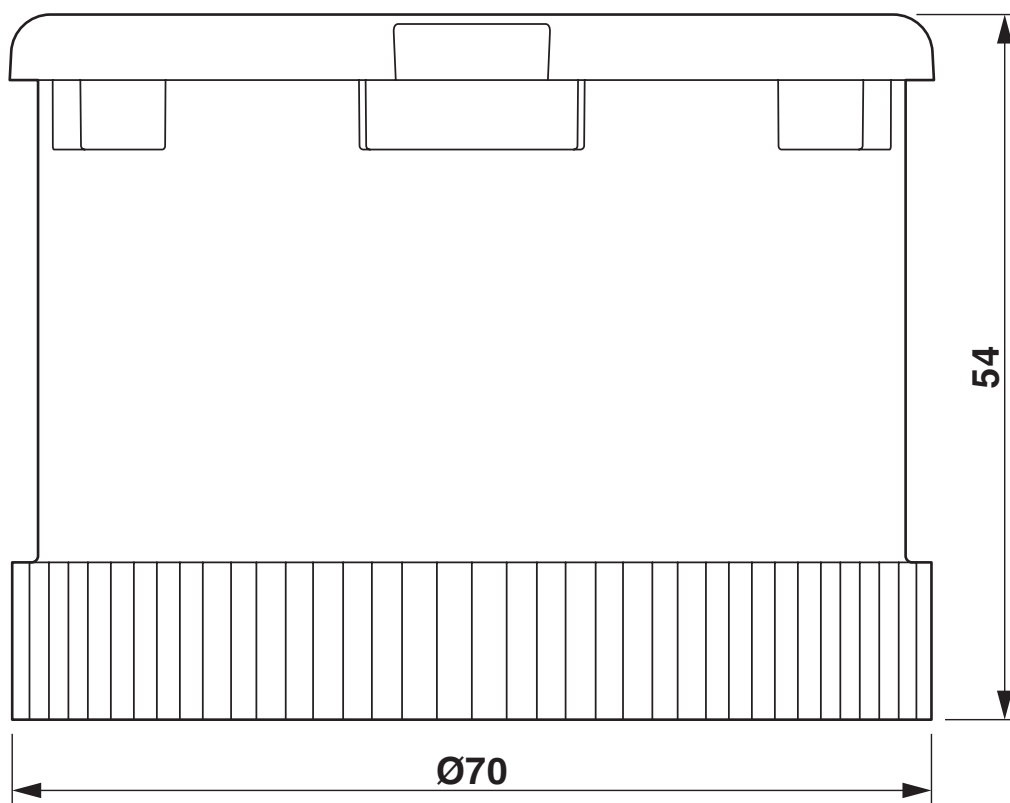


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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2702997>



**EAC**

Approval ID: RU \*-DE.A\*30.B.00237



**UL Listed**

Approval ID: E123528



**cUL Listed**

Approval ID: E123528

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## Classifications

### ECLASS

ECLASS-11.0	27371237
ECLASS-12.0	27371237
ECLASS-13.0	27371237

### ETIM

ETIM 9.0	EC001261
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### UNSPSC

UNSPSC 21.0	46171600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead titanium zirconium oxide(CAS: 12626-81-2)
	Lead(CAS: 7439-92-1)
SCIP	67746ec7-a9e6-41c1-a443-3ed44bbb3b8b

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