

# 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
- Degree of protection: IP65, when mounted



## Commercial data

|                        |               |
|------------------------|---------------|
| Item number            | 2702997       |
| Packing unit           | 1 pc          |
| Minimum order quantity | 1 pc          |
| Sales key              | DR07          |
| Product key            | DRL113        |
| GTIN                   | 4055626492063 |

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|                                      |          |
|--------------------------------------|----------|
| Weight per piece (including packing) | 95 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 |
|---------------------|-------------------------|

### Product properties

|                |                |
|----------------|----------------|
| Product type   | Signal element |
| Product family | PSD-S          |

### Electrical properties

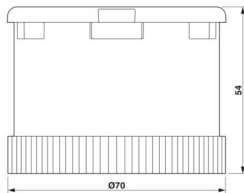
#### General

|                             |                                          |
|-----------------------------|------------------------------------------|
| 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         | typ. 30 mA                               |
| Operating time              | 100 %                                    |
| Service life electrical     | min. 5,000 h                             |
| Type of acoustic signal     | Continuous tone                          |
|                             | Pulse tone                               |
|                             | Rising                                   |
| Signal frequency            | 1 Hz (Pulse tone)                        |
|                             | 20 Hz (Pulse tone)                       |
|                             | 420 Hz (Pulse tone)                      |
| Tone frequency              | 0.9 kHz                                  |
|                             | 2.8 kHz                                  |
| Number of tones             | 8 (Tones can be selected via DIP switch) |
| Volume                      | max. 102 dB                              |

### Signaling

|                 |                                          |
|-----------------|------------------------------------------|
| Number of tones | 8 (Tones can be selected via DIP switch) |
|-----------------|------------------------------------------|

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Height              | 54 mm                                                                                |
| Diameter            | 70 mm                                                                                |

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## Material specifications

|                 |                  |
|-----------------|------------------|
| Color (Housing) | black (RAL 9005) |
| Material        | Polycarbonate PC |

## Environmental and real-life conditions

### Ambient conditions

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

## Mounting

|                   |                  |
|-------------------|------------------|
| Mounting type     | Plug-in mounting |
| Mounting position | any              |

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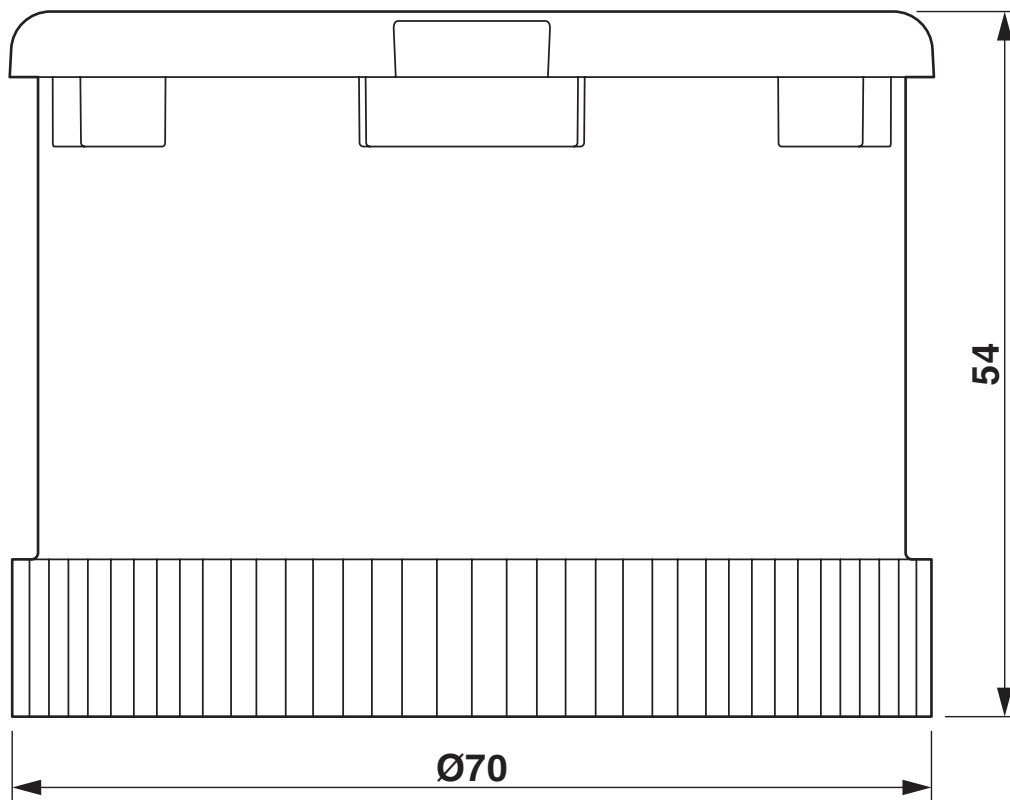


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## Drawings

Dimensional drawing



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## Approvals

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



**cULus Listed**

Approval ID: E123528

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27371237 |
| ECLASS-15.0 | 27371237 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001261 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 46171600 |
|-------------|----------|

## 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           |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 4.758 kg CO2e |
|---------|---------------|