

## Technical data sheet

### Signaling column element

Part no.: 50142456  
A7-MH1-M12

#### Contents

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Figure can vary



## Technical data

### Basic data

|        |    |
|--------|----|
| Series | A7 |
|--------|----|

### Connection

|                       |            |
|-----------------------|------------|
| Number of connections | 1 Piece(s) |
|-----------------------|------------|

#### Connection 1

|                    |           |
|--------------------|-----------|
| Type of connection | Connector |
| Thread size        | M12       |
| Type               | Male      |
| Material           | Metal     |
| No. of pins        | 8 -pin    |
| Encoding           | A-coded   |

### Mechanical data

|                              |                         |
|------------------------------|-------------------------|
| Design                       | Cylindrical             |
| Dimension (Ø x L)            | 70 mm x 61 mm           |
| Housing material             | Plastic                 |
| Net weight                   | 98 g                    |
| Housing color                | Black                   |
| Design of mounting device    | Horizontal mounting     |
| Type of fastening, at system | Screw type / horizontal |
| Module holder                | One side                |

### Environmental data

|                                |               |
|--------------------------------|---------------|
| Ambient temperature, operation | -10 ... 60 °C |
|--------------------------------|---------------|

### Certifications

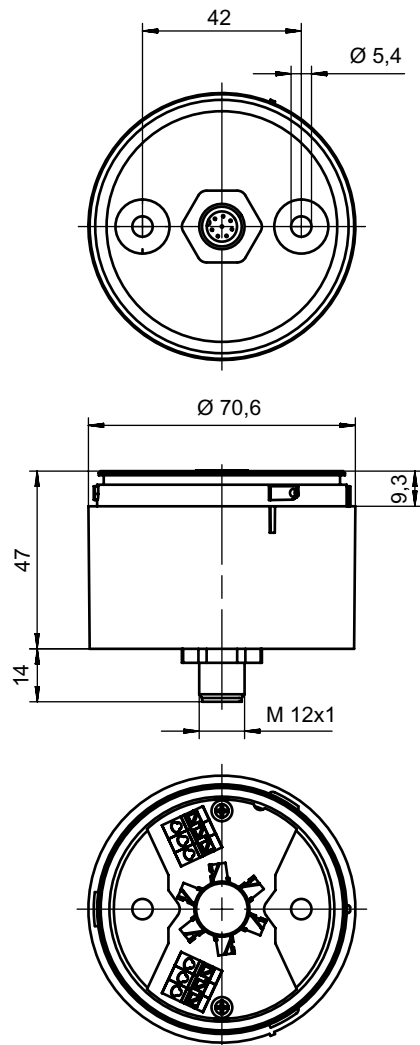
|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Degree of protection | IP 66, Only when mounted on a housing with the same degree of protection |
| Certifications       | CSA                                                                      |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85318070 |
| eCl@ss 8.0            | 27371234 |
| eCl@ss 9.0            | 27371234 |
| ETIM 5.0              | EC001259 |
| ETIM 6.0              | EC001259 |

## Dimensioned drawings

All dimensions in millimeters



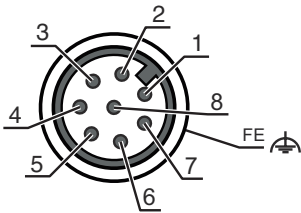
## Electrical connection

### Connection 1

|                    |                |
|--------------------|----------------|
| Function           | Voltage supply |
| Type of connection | Connector      |
| Thread size        | M12            |
| Type               | Male           |
| Material           | Metal          |
| No. of pins        | 8 -pin         |
| Encoding           | A-coded        |

Electrical connection

| Pin | Pin assignment             | Conductor color |
|-----|----------------------------|-----------------|
| 1   | Light color: white         | White           |
| 2   | n.c.                       | Brown           |
| 3   | Light color: green         | Green           |
| 4   | Light color: yellow/orange | Yellow          |
| 5   | GND                        | Gray            |
| 6   | n.c.                       | Pink            |
| 7   | Light color: blue          | Blue            |
| 8   | Light color: red           | Red             |



Notes

Observe intended use!

- This product is not a safety sensor and is not intended as personnel protection.
- The product may only be put into operation by competent persons.
- Only use the product in accordance with its intended use.

Accessories

Connection technology - Connection cables

|  | Part no. | Designation        | Article          | Description                                                                                                                                                   |
|--|----------|--------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 50135127 | KD S-M12-8A-P1-020 | Connection cable | Connection 1: Connector, M12, Axial, Female, A-coded, 8 -pin<br>Connection 2: Open end<br>Shielded: Yes<br>Cable length: 2,000 mm<br>Sheathing material: PUR  |
|  | 50135128 | KD S-M12-8A-P1-050 | Connection cable | Connection 1: Connector, M12, Axial, Female, A-coded, 8 -pin<br>Connection 2: Open end<br>Shielded: Yes<br>Cable length: 5,000 mm<br>Sheathing material: PUR  |
|  | 50135133 | KD S-M12-8W-P1-050 | Connection cable | Connection 1: Connector, M12, Angled, Female, A-coded, 8 -pin<br>Connection 2: Open end<br>Shielded: Yes<br>Cable length: 5,000 mm<br>Sheathing material: PUR |

## Accessories

### Mounting technology - Mounting brackets

|                                                                                  | Part no. | Designation | Article                  | Description                                                                               |
|----------------------------------------------------------------------------------|----------|-------------|--------------------------|-------------------------------------------------------------------------------------------|
|  | 50142896 | A7-MW2      | Signaling column element | Design: L shape<br>Version: Angle, L-shape<br>Fastening, at system: Through-hole mounting |

### General

|                                                                                    | Part no. | Designation  | Article                  | Description                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------|----------|--------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | 50135462 | A7-V1-BZ1-M  | Signaling column element | Signaling: Acoustic<br>Current consumption, max.: 70 mA<br>Design: Cylindrical<br>Diameter: 70 mm<br>Fastening: Bayonet system<br>Operational controls: DIP switch, 225° potentiometer<br>Ambient temperature: -10 ... 60 °C<br>Degree of protection: IP 66<br>Tone type: Continuous or pulse tone<br>Sound pressure: 100 dB<br>Number of tones: 8 Piece(s) |
|   | 50138151 | A7-V1-BZ2-S  | Signaling column element | Signaling: Acoustic<br>Current consumption, max.: 20 mA<br>Design: Cylindrical<br>Diameter: 70 mm<br>Fastening: Bayonet system<br>Operational controls: 225° potentiometer<br>Ambient temperature: -10 ... 60 °C<br>Degree of protection: IP 66<br>Tone type: Continuous tone<br>Sound pressure: 105 dB<br>Number of tones: 1 Piece(s)                      |
|  | 50135457 | A7-V1-DS-R-T | Signaling column element | Signaling: Optical<br>Current consumption, max.: 50 mA<br>Design: Cylindrical<br>Diameter: 70 mm<br>Fastening: Bayonet system<br>Illuminant: LED/24V<br>Signal image: Continuous light<br>Lens color: Red<br>Angle of radiation: 360°<br>Ambient temperature: -10 ... 60 °C<br>Degree of protection: IP 66                                                  |

#### Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.