Technical data sheet
Signaling column
Part no.: 50143951
A7-V1-MP1-DS-M7-T-100-M12



Figure can vary

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Notes
- Accessories

Technical data

Basic data

Series	A7
Type of signaling	Optical

Electrical data

Life expectancy	> 100,000 h

Performance data

Supply voltage U_B	24 V, DC, 10 %
Current consumption, max.	70 mA

Connection

Number of connections	1 Piece(s)
Notes	Protected against accidental inter-changes: Actuation of the colors is performed via PINs, thus, the calotte position can be freely selected (see operating instructions).

Connection 1

Function	Light color programmable via actuation of wires
	Voltage supply
Type of connection	Connector

Mechanical data

Design	Cylindrical
Dimension (Ø x L)	70 mm x 220 mm
Housing material	Plastic, PC
Net weight	333 g
Housing color	Black
	Gray
Type of fastening, at system	Screw type / horizontal
Type of illuminant	LED/24V
Lens modules	1 piece
Display of the lens colors	7 colors can be selected
Signal image	Continuous or flashing light
Lens colors	Blue
	Green
	Pink
	Red
	Turquois
	White
	Yellow
Angle of radiation	360°

Certifications

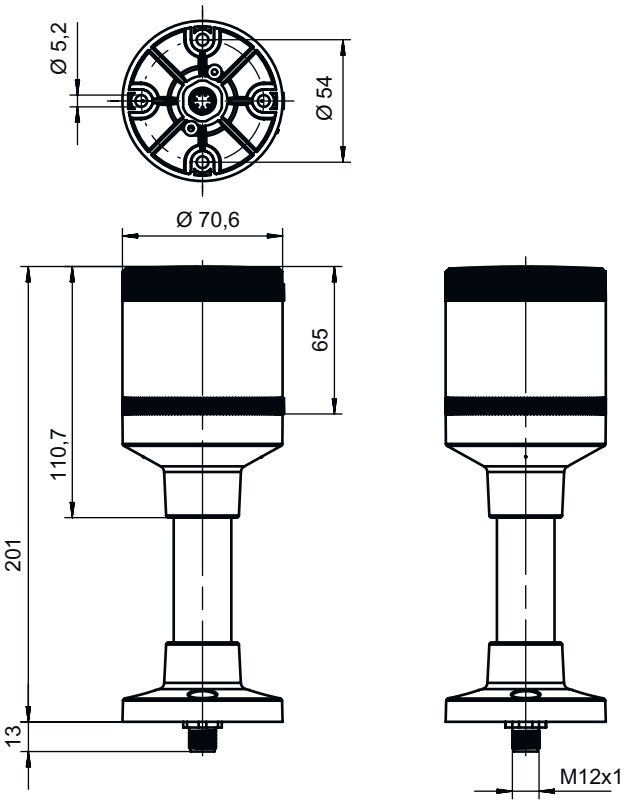
Degree of protection	IP 66, Only when mounted on a housing with the same degree of protection
Certifications	CE
	CSA

Classification

Customs tariff number	85318070
eCl@ss 8.0	27371230
eCl@ss 9.0	27371220
eCl@ss 10.0	27371230
eCl@ss 11.0	27371230
ETIM 5.0	EC000232
ETIM 6.0	EC000232

Dimensioned drawings

All dimensions in millimeters

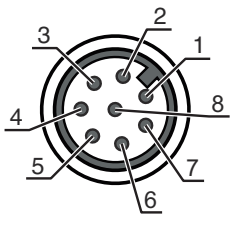


Electrical connection

Connection 1

Function	Light color programmable via actuation of wires
	Voltage supply
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

Conductor color	Conductor assignment
White	Multicolor light color: white
Brown	n.c.
Green	Multicolor light color: green
Yellow	Light color: yellow/orange
Gray	GND
Pink	n.c.
Blue	Light color: blue
Red	Light color: red



Electrical connection

Conductor color	Conductor assignment
BlueRed	Multicolor light color: pink
GreenRed	Multicolor light color: yellow
BlueGreen	Multicolor light color: turquoise
BlueGreenRed	Multicolor light color: white
NOTE	Connect all listed wires to obtain the corresponding light color.

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 Connection 2: Open end Shielded: Yes Cable length: 2,000 mm Sheathing material: PUR
	50135128	KD S-M12-8A-P1-050	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 8 -pin Connection 2: Open end Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR
	50135133	KD S-M12-8W-P1-050	Connection cable	Connection 1: Connector, M12, Angled, Female, A-coded, 8 -pin Connection 2: Open end Shielded: Yes Cable length: 5,000 mm Sheathing material: PUR

Mounting technology - Mounting brackets

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

Accessories

	Part no.	Designation	Article	Description
	50143660	A7-MW2.5	Signaling column element	Design: L shape Version: Angle, L-shape Fastening, at system: Through-hole mounting

General

	Part no.	Designation	Article	Description
	50135462	A7-V1-BZ1-M	Signaling column element	Signaling: Acoustic Current consumption, max.: 70 mA Design: Cylindrical Diameter: 70 mm Fastening: Bayonet system Operational controls: DIP switch, 225° potentiometer Ambient temperature: -10 ... 60 °C Degree of protection: IP 66 Tone type: Continuous or pulse tone Sound pressure: 100 dB Number of tones: 8 Piece(s)
	50138151	A7-V1-BZ2-S	Signaling column element	Signaling: Acoustic Current consumption, max.: 20 mA Design: Cylindrical Diameter: 70 mm Fastening: Bayonet system Operational controls: 225° potentiometer Ambient temperature: -10 ... 60 °C Degree of protection: IP 66 Tone type: Continuous tone Sound pressure: 105 dB Number of tones: 1 Piece(s)
	50138366	A7-V1-BZ3-S	Signaling column element	Signaling: Acoustic Current consumption, max.: 30 mA Design: Cylindrical Diameter: 70 mm Fastening: Bayonet system Operational controls: 225° potentiometer Ambient temperature: -10 ... 60 °C Degree of protection: IP 66 Tone type: Pulse tone Sound pressure: 105 dB Number of tones: 1 Piece(s)

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