

# LM-S-LS-H4 - Lightning monitoring system



2801538

<https://www.phoenixcontact.com/us/products/2801538>

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Sensor for live monitoring system for the continuous detection and evaluation of lightning strikes.  
Degree of protection IP64.



## Your advantages

- Optical lightning sensor for measuring current strength
- Robust design
- Resistant to vibrations, temperature, and humidity
- Good UV resistance

## Commercial data

Item number	2801538
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CLB311
GTIN	4046356817233
Weight per piece (including packing)	340 g
Weight per piece (excluding packing)	340 g
Customs tariff number	90303900
Country of origin	DE

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## Technical data

### Product properties

Product type	Sensor
Product family	LM-S

### Electrical properties

#### Evaluation unit Sensor interfaces

Interface	Fiber optic interface
Number of ports	1

#### Sensor

Detectable values (current strength)	$\pm 500.00 \text{ A} \dots 250000.00 \text{ A}$
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#### Sensor

Interface	Fiber optic interface
Connection method	SC-RJ socket with push/pull connector, IP67

### Dimensions

Dimensional drawing	
Width	155 mm
Height	50 mm
Depth	290 mm

### Material specifications

Color	black (RAL 9005)
Ferrule material	Zirconia ceramics
Housing material	XYRON 644Z

### Cable/line

#### FO cable

Fiber type	Quartz fiber
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP64
Ambient temperature (operation)	-30 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

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Altitude	max. 4000 m
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)

## Mounting

Mounting type	On lightning arrester cables
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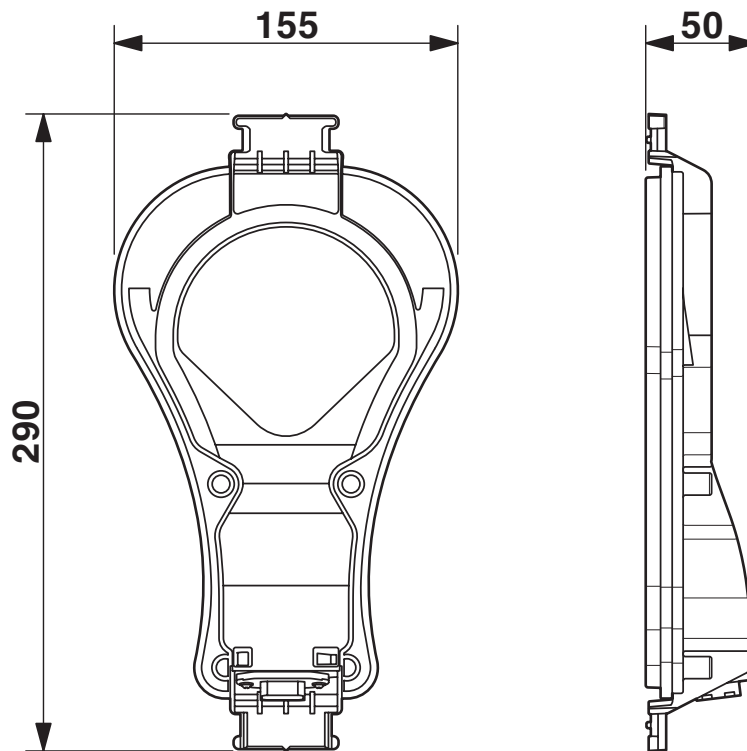
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## Drawings

Dimensional drawing



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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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