

LM-S-LS-H4 - Lightning monitoring system



2801538

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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

LM-S-LS-H4 - Lightning monitoring system

2801538

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

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)	$\pm 500.00 \text{ A} \dots 250000.00 \text{ A}$
--------------------------------------	--

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
------------	--------------

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

LM-S-LS-H4 - Lightning monitoring system



2801538

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

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
---------------	------------------------------

LM-S-LS-H4 - Lightning monitoring system

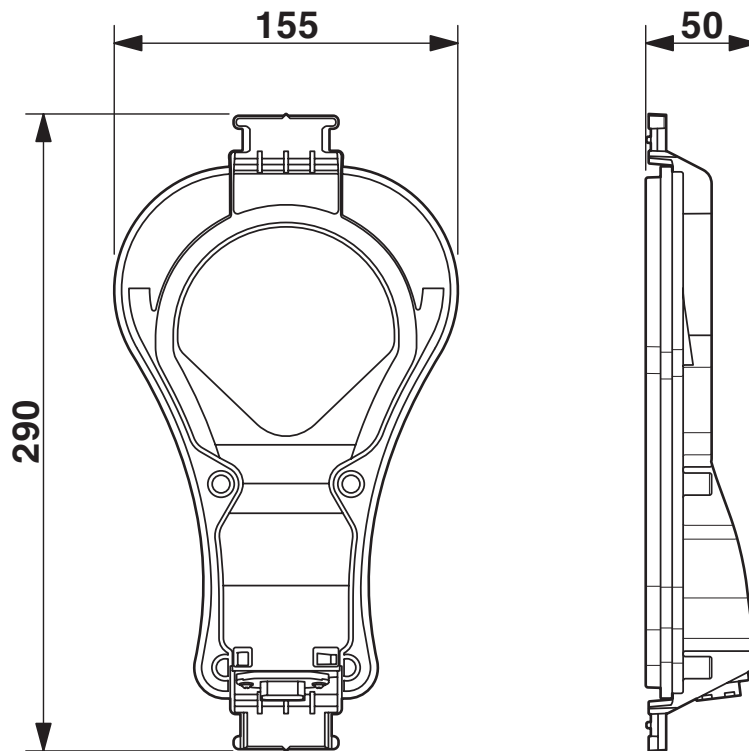
2801538

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



Drawings

Dimensional drawing



LM-S-LS-H4 - Lightning monitoring system



2801538

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

Environmental product compliance

EU REACH SVHC

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

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com