

LM-S-LS-H - Lightning monitoring system



2800616

<https://www.phoenixcontact.com/us/products/2800616>

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Optical lightning sensor for the live monitoring system for the continuous detection and evaluation of lightning strikes. IP67 protection.



Your advantages

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

Commercial data

Item number	2800616
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL05
Product key	CLB311
Catalog page	Page 216 (C-4-2019)
GTIN	4046356615273
Weight per piece (including packing)	822.5 g
Weight per piece (excluding packing)	806.5 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)	± 5.00 kA ... 400.00 kA
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Sensor Interfaces

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

Dimensions

Dimensional drawing	
Width	155 mm
Height	290 mm
Depth	50 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	IP67
Ambient temperature (operation)	-30 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

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Altitude	≤ 4000 m (amsl)
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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Classifications

ECLASS

ECLASS-11.0	27201124
ECLASS-13.0	27170192

ETIM

ETIM 9.0	EC002495
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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