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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2800616
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL05
Product key	CLB311
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

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

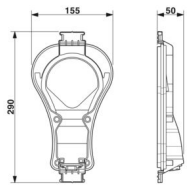
Sensor

Detectable values (current strength)	± 5.00 kA ... 400.00 kA

Sensor

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

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

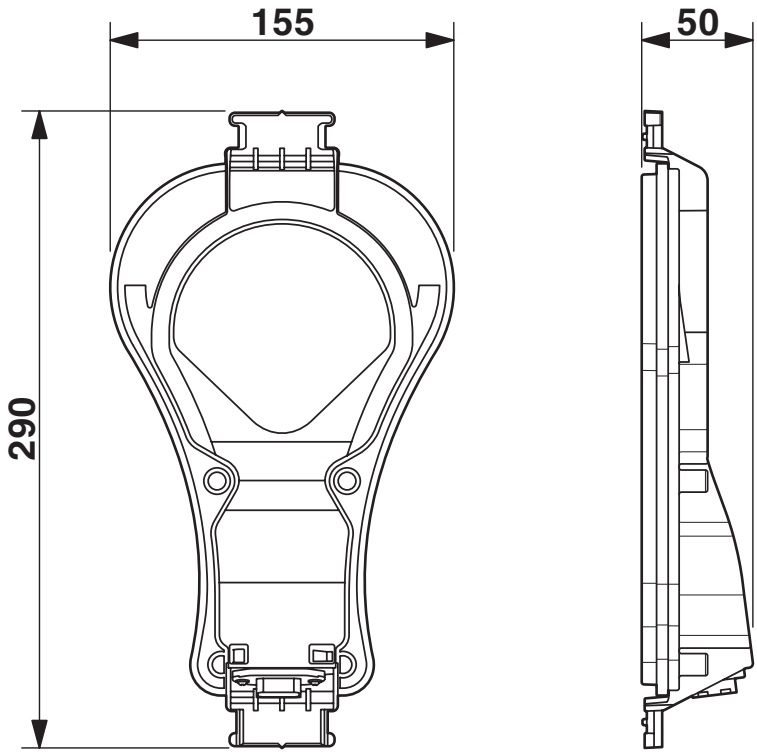
Altitude	≤ 4000 m (amsl)
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)

Mounting

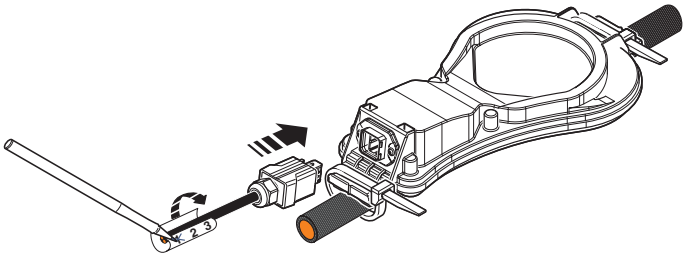
Mounting type	On lightning arrester cables

Drawings

Dimensional drawing



Schematic diagram



Marking of the connecting cable

Classifications

ECLASS

ECLASS-13.0	27170192
ECLASS-15.0	27170192

ETIM

ETIM 10.0	EC002495

UNSPSC

UNSPSC 21.0	39121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Dodecamethylcyclohexasiloxane(CAS: 540-97-6)
SCIP	44d4c674-9fbf-438f-99b4-de4d993cf3ae

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