

LM-S-A/C-3S-ETH - Lightning monitoring system



2800618

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Evaluation unit for the live monitoring system for the continuous detection and evaluation of lightning strikes. Up to three optical lightning sensors can be connected.

Your advantages

- Evaluation and storage of sensor data
- Realtime analysis and exact point of time allocation
- Status and diagnostic indicators
- Communication via Ethernet
- Operation and configuration via web interface

Commercial data

Item number	2800618
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL05
Product key	CLB313
Catalog page	Page 216 (C-4-2019)
GTIN	4046356615297
Weight per piece (including packing)	2,104.2 g
Weight per piece (excluding packing)	1,370 g
Customs tariff number	85437090
Country of origin	DE

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Technical data

Product properties

Type	DIN rail module, one-piece
Product type	Evaluation unit
Product family	LM-S

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Current consumption	≤ 10 W (Ready for operation, LED status <50%)
Nominal voltage U_N	24 V DC

Indicator/remote signaling

Switching function	N/C contact, 1-pos.
Maximum operating voltage U_{max} DC	60 V DC

Evaluation unit

Operating voltage	24 V DC ±4 V
Operating current	max. 500 mA
Detectable values (current strength)	5.00 kA ... 400.00 kA

Evaluation unit Ethernet ports

Interface	Ethernet
Number	1
Connection method	RJ45
Transmission speed	10/100 Mbps

Evaluation unit Sensor interfaces

Interface	O/E module
Number of ports	3
Connection method	Rack for plug-in I/O module

Evaluation unit Function

Basic functions	Evaluation and communication of sensor data
Operation	Via web interface, Modbus, OPC-UA
Maximum storable data records	500

O/E converter Interfaces

Interface	Fiber optic interface
Number of ports	3
Connection method	B-FOC (ST®)

Dimensions

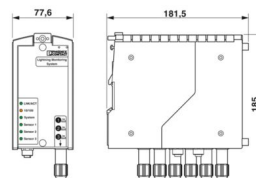
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Dimensional drawing



Width	77.6 mm
Height	185 mm
Depth	181.5 mm

Material specifications

Color	Silver
	black (RAL 9005)
Housing material	Stainless steel 1.4016

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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)

Standards and regulations

Standards/specifications	EN 61326-1
Note	2013

Mounting

Mounting type	DIN rail: 35 mm
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Classifications

ECLASS

ECLASS-11.0	27201124
ECLASS-13.0	27170104

ETIM

ETIM 9.0	EC002965
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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