

Lightning current measuring system - LM-S-LS-H - 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
- ✓ Rugged design
- ✓ Resistant to vibrations, temperature, and humidity
- ✓ Good UV resistance

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 615273
GTIN	4046356615273

Technical data

Dimensions

Height	290 mm
Width	155 mm
Depth	50 mm

Ambient conditions

Ambient temperature (operation)	-30 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Altitude	≤ 4000 m (amsl (above mean sea level))

General

Housing material	XYRON 644Z
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Technical data

General

Ferrule material	Zirconia ceramics
Fiber type	Quartz fiber
Mounting type	On lightning arrester cables

Typical characteristics

Interface	Fiber optic interface
Number of ports	1
Maximum current strength	$\pm 5 \text{ kA} \dots 400 \text{ kA}$
Interface	Fiber optic interface
Connection method	SC-RJ socket with push/pull connector, IP67

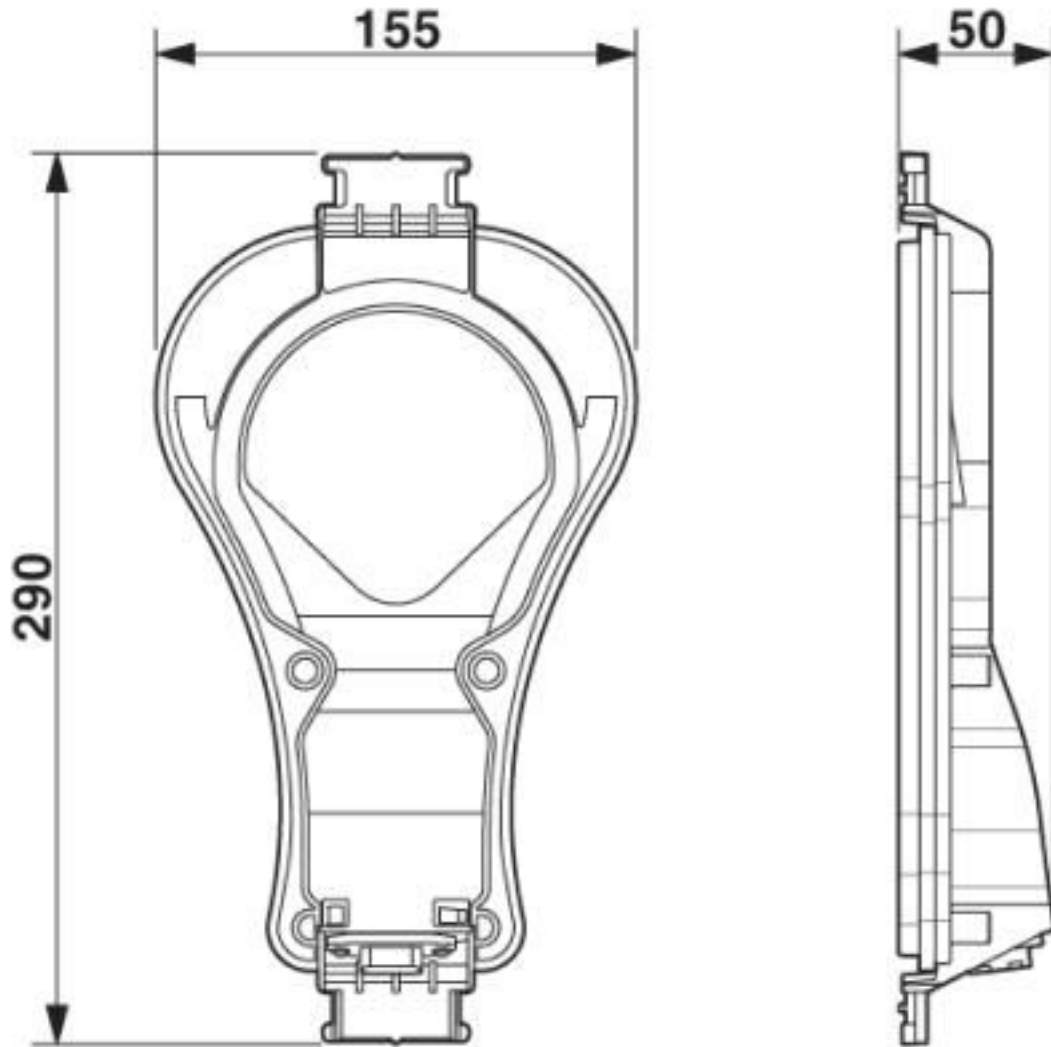
Environmental Product Compliance

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

Drawings

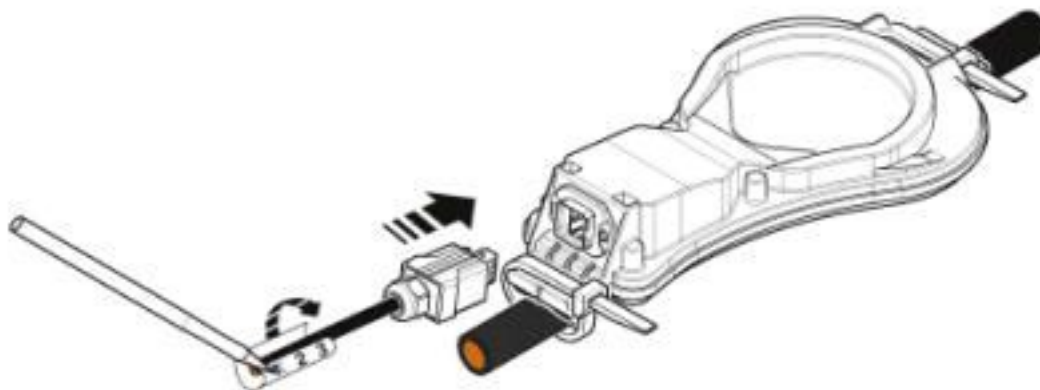
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Dimensional drawing



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Schematic diagram



Marking of the connecting cable

Classifications

eCl@ss

eCl@ss 10.0.1	27201124
eCl@ss 4.0	27210900
eCl@ss 4.1	27210900
eCl@ss 5.0	27371500
eCl@ss 5.1	27371500
eCl@ss 6.0	27379200
eCl@ss 7.0	27379202
eCl@ss 8.0	27379202
eCl@ss 9.0	27201124

ETIM

ETIM 3.0	EC001505
ETIM 4.0	EC002027
ETIM 5.0	EC002027
ETIM 6.0	EC002965
ETIM 7.0	EC002965

UNSPSC

UNSPSC 6.01	30211501
UNSPSC 7.0901	39121019
UNSPSC 11	39121006
UNSPSC 12.01	39121610
UNSPSC 13.2	39121621
UNSPSC 18.0	39121621
UNSPSC 19.0	39121621
UNSPSC 20.0	39121621

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Classifications

UNSPSC

UNSPSC 21.0	39121621
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Accessories

Accessories

Data plug

FO accessories - FOC-TOOL-FERRULECLEANER-2.50 - 1407029



2.50 mm ferrule cleaner, for ST, SC, FC, E2000 (also APC), approx. 500 cleaning cycles

Socket spanner

Screwdriver - SF-THEX 4-150 - 1212640



T-handle screwdriver, for Allen screws, hexagonal (with chamfer), size: hex 4 x 150 mm, ergonomically shaped handle, matt chrome-plated

Necessary add-on products

Lightning current measuring system - LM-S-A/C-3S-ETH - 2800618



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.

FO patch cable - FOC-ST:A-SJ:C-HB02/10 PR - 1423846



Assembled FO cable, PROFINET cable type B, 200/230 µm PCF fiber, SC-RJ/IP67 push-pull metal housing to BFOC(ST)/IP20, PVC outer sheath, halogen-free, ozone and UV-resistant, in conduit, for fixed indoor installation, length: 10 m

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Accessories

FO patch cable - FOC-SJ:14-ST/.../.../... - 1417723



Assembled FO cable, PROFINET cable type B, 200/230 µm PCF fiber, SC-RJ/IP67 push-pull metal housing to BFOC(ST)/IP20, PVC outer sheath, halogen-free, ozone and UV resistant, for fixed indoor installation, variable length

FO patch cable - FOC-ST:A-SJ:C-HB02/13 PR - 1426160



Assembled FO cable, PROFINET cable type B, 200/230 µm PCF fiber, SC-RJ/IP67 push-pull metal housing to BFOC(ST)/IP20, PVC outer sheath, halogen-free, ozone and UV-resistant, in conduit, for fixed indoor installation, length: 13 m

Additional products

Assembly adapters - MONTAGE ADAPTER LM-S-LS 02 - 2906891



Adapter for easy and correct mounting of the optical lightning sensor for measuring lightning surge currents in a rotor blade of a wind turbine generator.

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