WIL-SHM-S SENSOR - Sensor

1364837

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SNS 74-S1 sensor from Micromega Dynamics for detecting vibrations, damage, and imbalances on the rotor blade of wind turbine generators. Dual-axis accelerometer with temperature measurement. The measured values are available as 4 – 20 mA signals.

Product description

The WIL-SHM-S SENSOR is a specially optimized sensor for use in wind turbine generators (WTGs) with a dual-axis accelerometer and temperature measurement. The sensor is attached to the inside of the rotor blade using the WIL-GFK-MOUNTING PLATE mounting panel (see "Accessories" tab). Together with a WIL-BI switchgear and controlgear assembly, it is possible to measure vibrations and imbalances on the rotor blade. This enables the early detection of damage to the WTG. Three sensors are required per WTG.

The item is part of the Blade Intelligence rotor blade monitoring system for wind turbine generators (WTGs). The Blade Intelligence rotor blade monitoring system allows for recording and detailed analysis of typical measured values for lightning currents, temperature, ice thickness, bending moments, vibration, and imbalances on the rotor of a WTG. It consists of the corresponding sensors, preassembled connecting cables, and a WIL-BI switchgear and controlgear assembly (as the evaluation unit).

Your advantages

- Robust sensor for use in the rotor blade of a WTG
- Proactive monitoring of the rotor blade
- Proven technology, optimized for the wind industry

Commercial data

Item number	1364837
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DT02
Product key	DTHABA
GTIN	4063151711344
Weight per piece (including packing)	300 g
Weight per piece (excluding packing)	300 g
Customs tariff number	90303320
Country of origin	DE

Technical data

Notes

Note regarding documentation	For further technical data and installation notes, see the packing slip and data sheet, "Downloads" tab

Product properties

Product type	Sensor

Dimensions

External dimensions

Width / Height / Depth	127 mm / 125 mm / 59.2 mm

Mounting

Mounting type	Screw mounting

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Classifications

ECLASS

ECLASS-11.0	27143137
ECLASS-12.0	27143137
ECLASS-13.0	27143137

ETIM

ETIM 9.0	EC000926

UNSPSC

UNSPSC 21.0	43201500

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.)	No substance above 0.1 wt%

Accessories

WIL-GFK-MOUNTING PLATE - Mounting panel

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Mounting panel for WIL-SHM-S SENSOR (see "Accessories" tab).

SAC-5P-M12MS/40,0-PUR/M12MS SH - Sensor/actuator cable

1386549

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Sensor/actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, shielded, Plug straight M12, coding: A, on Plug straight M12, coding: A

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