



TYPE CERTIFICATE

Certificate No.:
TC-DNV-SE-0439-04314-3

Issued:
2024-10-20

Valid until:
2026-10-20

Issued for:

Rotor Blade Monitoring System BLADEcontrol Ice Detector (BID)

Specified in Annex 1

Issued to:

Weidmüller Monitoring Systems GmbH

Else-Sander-Str. 8
01099 Dresden
Germany

According to:

DNV-SE-0439:2021-10 Certification of condition monitoring

Based on the document:

CR-DNV-SE-0439-04314-3

Certification Report Condition Monitoring System,
dated 2024-10-20

Changes of the system design, the production or the manufacturer's quality system are to be approved by DNV.

Hellerup, 2024-10-20
For DNV Renewables Certification

Christopher Harrison
Service Line Leader Component Certification



By DAkkS according to DIN EN IEC/ISO 17065
accredited Certification Body for products. The
accreditation is valid for the fields of certification
listed in the certificate.

Hamburg, 2024-10-20
For DNV Renewables Certification

Peter Schmidt
Principal Project Manager

TYPE CERTIFICATE – ANNEX 1

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Page 2 of 2

General

System name BLADEcontrol Ice Detector (BID)

Hardware

Measuring unit HMU V4.0

Number of channels per blade 2

Number of digital channels -

alternative

Measuring unit ECU-Box 1.0

Number of channels per blade 2

Number of digital channels -

Evaluation communication unit ECU_V6.3 / ECU_V6.4 / ECU_V7.0 / ECU_V8.0

Vibration sensor type BCA503 / BCA503P / BCA 523 / BCA523P

alternative

Vibration sensor type BCRB138 (Blade Module) in connection with ECU-Box 1.0

alternative

Strain sensor type BCE201

Software

Name cmrbl

Version 2.5.sqlite / 2.6 / 4.0

Manual

Name Operating instructions, TD-21751-060