TYPE CERTIFICATE

Certificate No.:	Issued:	Valid until:
TC-DNV-SE-0439-04314-4	2026-10-20	2028-10-20

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-0439-04314-4	Certification Report Condition Monitoring System, dated 2026-10-20

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

Hellerup, 2026-10-20

For DNV Renewables Certification



Christopher Harrison
Service Line Leader Component Certification

EUROPEAN RECOGNITION
DAkkS Deutsche Akkreditierungsstelle D-ZE-22290-01-00

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

Hamburg, 2026-10-20

For DNV Renewables Certification



Peter Schmidt
Principal Project Manager

TYPE CERTIFICATE – ANNEX 1

General	
System name	BLADEcontrol Ice Detector (BID)
Hardware	
Measuring unit	HMU V4.0 / HMU V4.1 / HMECU V4.0_230VAC
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 / BCA523 / BCA523P / BCA503N / BCA523N / BCA603 / BCA623
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-21751-064