

# TYPE CERTIFICATE

Certificate No.:  
TC-GL-IV-4-02381-0

Issued:  
2016-12-09

Valid until:  
2018-12-08

Issued for:

## Ice Detection System BLADEcontrol Ice Detector (BID)

Issued to:

## Weidmüller Monitoring Systems GmbH

Else-Sander-Str. 8  
01099 Dresden  
Germany

According to:

## GL-IV-4:2013 – Guideline for the Certification of Condition Monitoring Systems for Wind Turbines

Based on the documents:

CR-CMS-GL-IV-4-02381-0

Certification Report Ice Detection System BLADEcontrol Ice Detector, dated 2016-12-09

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

Hamburg, 2016-12-09

For DNV GL Renewables Certification



**Christer Eriksson**  
Service Line Leader Type Certification



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, 2016-12-09

For DNV GL Renewables Certification



**Robert Kasch**  
Senior Project manager

# TYPE CERTIFICATE - ANNEX 1

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**General**

System name

BLADEcontrol

**Hardware**

Name

ECU V5.1, HMU V2.7

Number of analogue channels (vibration)

4

Number of digital channels

-

Blade sensor type

BCA403b / BCA423

Hub sensor type

BCA401b

**Software**

Name

cmrbl

Version

2.4.sqllite

