

TYPE CERTIFICATE

Certificate No.:
TC-DNVGL-SE-0439-04710-0

Issued:
2019-03-29

Valid until:
2021-03-28

Issued for:

Condition Monitoring System Type Ω -Guard (Bachmann Condition Monitoring integrated into control system)

Issued to:

Bachmann electronic GmbH

Kreuzäckerweg 33
6800 Feldkirch
Austria

According to:

DNVGL-SE-0439:2016-06 Certification of condition monitoring

Based on the documents:

CR-DNVGL-SE-0439-04710-0

Certification Report Ω -Guard (Bachmann Condition Monitoring integrated into control system), dated 2019-03-29

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

Hamburg, 2019-03-29

For DNV GL Renewables Certification

Bente Vestergaard
Service Line Leader Component 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, 2019-03-29

For DNV GL Renewables Certification

Robert Kasch
Senior Project Manager

TYPE CERTIFICATE - ANNEX 1

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General

System name Ω -Guard (Bachmann Condition Monitoring integrated into control system)

Hardware

Name Ω -Guard
 Number of analogue channels (vibration) AIC206:
 4 IEPE enabled
 AIC212:
 9 IEPE enabled + 3 Voltage
 AIC214:
 12 IEPE enabled
 (of which 3 can be used as
 Voltage inputs instead)
 Number of digital channels -
 Number of counter channels (speed) 2
 Vibration sensor type (general) BAM100
 Vibration sensor type (low frequency) BAM500
 Vibration sensor type (very low frequency) μ -bridge
 Speed sensor Balluff BES M12ML (or similar)

Software

Name WebLog / WebLog Expert
 Version V18.1 / V18.1R

Manual

Title Benutzerhandbuch CMSSTD
 Doc. no. and version V2