



TYPE CERTIFICATE

Certificate No.:
TC-DNV-SE-0439-04710-3

Issued:
2025-03-29

Valid until:
2027-03-29

Issued for:

Condition Monitoring System Type CMSadvanced (Bachmann Condition Monitoring integrated into control system)

Specified in Annex 1

Issued to:

Bachmann electronic GmbH

Kreuzäckerweg 33
6800 Feldkirch
Austria

According to:

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

Based on the document:

CR-DNV-SE-0439-04710-3

Certification Report CMSadvanced (Bachmann
Condition Monitoring integrated into control system),
dated 2025-03-29

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

Hellerup, 2025-03-29
For DNV Renewables Certification

Christopher Harrison
Service Line Leader for 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, 2025-03-29
For DNV Renewables Certification

Robert Kasch
Head of Section



TYPE CERTIFICATE – ANNEX 1

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General

System name CMSadvanced (Bachmann Condition Monitoring integrated into control system)

Hardware

Name CMSadvanced
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 -
Vibration sensor type (general) BAM100
Vibration sensor type (low frequency) BAM500
Low frequency sensor type μ -bridge
BAM-MEMS-3D-M12-V01
Speed sensor type Balluff BES M12ML (or similar)

Software

Name WebLog / WebLog Expert
Version V23.1 / V23.1
Name CMSSTD
Version V2.04