



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EPS 23.0068X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2023-10-05
Applicant: **Sumitomo (SHI) Cyclo Drive Germany GmbH**
Cyclostraße 92
Markt Indersdorf 85229
Germany
Equipment: **Cycloidal type Gearbox CNVS-6095G-43/G 90/C140 (EA1); CVVXS-6165-59G 132/A300 (EA2)**
Optional accessory:
Type of Protection: **non electrical**
Marking: **Ex h IIC T4 Gb**

Approved for issue on behalf of the IECEx
Certification Body:

Ulrich Feike

Position:

Head of Certification

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **Sumitomo (SHI) Cyclo Drive Germany GmbH**
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Germany

Manufacturing locations: **Sumitomo (SHI) Cyclo Drive Germany GmbH**
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[ISO 80079-36:2016](#) Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

[ISO 80079-37:2016](#) Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"
Edition:1.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR23.0074/00](#)

Quality Assessment Report:

[DE/EPS/QAR21.0022/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The gearboxes CNNVXS-6095G 90/C140 (EA1) and CVVXS-6165-59/G 132/A300 (EA2) are intended to reduce rotation speed and increase torque. They are to be mounted to an electromotor to drive a valve actuator. The gearbox, or speed reducer applies cycloidal technology in a grease filled closed enclosure.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Ambient temperature range: -46 °C up to +82 ° C

The gearboxes shall be mounted in horizontal position or in vertical position with the output shaft downward.