Certificate of Compliance

Certificate:	80101333	**Master Contract:**	169439
Project:	80101333	**Date Issued:**	03/09/2023

Issued to: **AMKmotion GmbH + Co KG**
Gaußstraße 37-39
Kirchheim-Teck, Baden-Württemberg 73230
Germany

Attention: Stefan Leimer

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: *Majid Ali*
Majid Ali

PRODUCTS

C421101 MOTORS AND GENERATORS - Motors and Generators
C421181 MOTORS AND GENERATORS - Certified to US Standards

Component Type, synchronous servo motors with permanent magnets. Motors are totally enclosed, convection cooled, ventilated or water cooled (TENV, TEFC or TEWC, Class F, rated input 0-350 Vac maximum, 3-phase, up to 95 kW maximum rated output power and maximum 9000 rpm. The motors may be provided (optional) with brakes, thermal sensors, encoder feedback, gearbox, and are provided with power connectors or with a terminal box.

Models
Serie DT, Serie DD, Serie DP, Serie LD, Serie SKT, Serie SEZ

Notes:

1. Certified as component for use in equipment where the suitability of the combination is to be determined by CSA group or another NRTL.

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2. Integral servo(s) controller(s) used together with these motor series are described in CSA report 2373905, See Attachment 1 for example of typical nameplates.
3. Motor series designation is completed with additional letters and figures indicating frame size, static torque, number of poles, encoder type, speed, optional features, etc.
4. Motors are provided with thermal sensors for connection in external extra low voltage circuits. These devices do not replace normal overload protection as required by the Canadian Electrical Code, Part I and NEC.
5. TEWC motors shall use cooling water at a maximum of 30°C inlet and at a maximum temperature rise of 10K.

Component Type, synchronous out-runner, cooling type: TEWC, class: F, rated input: 0-350 Vac 3-phase , rated continuous current: 29 A (max. instantaneous current: 67 A), rated continuous output: 12.6 kW (max. instantaneous output: 25.8 kW) and rated continuous speed: 0 – 100 rpm (max. instantaneous speed 130 rpm). The motor may be provided (optional) with thermal sensor, encoder feedback and are provided with power connector.

Models
DA22-1350-50-POW

Notes:

1. Certified as component for use in equipment where the suitability of the combination is to be determined by CSA group or another NRTL.
2. Integral servo(s) controller(s) used together with these motor series are described in CSA report 2373905, See Attachment 1 for example of typical nameplates.
3. Motor series designation is completed with additional letters and figures indicating frame size, static torque, number of poles, encoder type, speed, optional features, etc.
4. Motors are provided with thermal sensors for connection in external extra low voltage circuits. These devices do not replace normal overload protection as required by the Canadian Electrical Code, Part I and NEC.
5. TEWC motors shall use cooling water at a maximum of 30°C inlet and at a maximum temperature rise of 10K.

AC-Servo and Main Spindle Motors, horizontal or vertical, flange or foot mounting, with or without electrical brake, with or without forced cooling, with or without optical position indicator, insulation class F, 190V or 350V, continuous duty, max. 38kW, frame sizes 4 up to and including 16.

Models
series DS, series DV, series DH, series DW

Notes:

1. Application of the motors shall be subject to further investigation by CSA Group or another NRTL. Motors are not suited for direct connection to the power supply but shall be supplied by a Certified power converter e.g. made by AMKmotion.
2. Motors and the cooling fans may be provided with thermal sensors or thermal protectors NOT replacing normal overload protection as required by CE Code Part I.
3. Model designation of the motor series DS, DV, DH and DW is provided with suffixes indicating variations.

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APPLICABLE REQUIREMENTS

CSA C22.2 No. 100-14 (R2019) - Motors and generators

UL 1004-1 (Second Edition) - UL Standard for Safety Rotating Electrical Machines – General Requirements - Second Edition; Reprint with Revisions Through and Including November 5, 2020

UL 1004-8 (Second Edition) - UL Standard for Safety for Inverter Duty Motors, UL 1004-8,Second Edition, Dated November 13, 2013

UL 1004-6 (Second Edition; Reprint with revisions through and including March 17, 2022) - Servo and Stepper Motors

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Notes:

Products certified under Class C421101 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80101333	March 09, 2023	Original Certification to transfer certified motors from report 2373905, 70042543 & 1008382 and add new motors DA22, DP13, SKT13, DT7, DT10, DT3 and LD series in one report according to the requirements of CSA C22.2 No. 100-14 and UL1004-1, 2nd edition. Classes 4211 01/81.

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