



Certificate of Compliance

Certificate: 70000843

Master Contract: 206865

Project: 70081807

Date Issued: September 22, 2016

Issued to: Tecnotion B.V.
Twentepoort-West 15
7609 RD Almelo
THE NETHERLANDS

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Susanne Dormann
Issued by: Susanne Dormann

PRODUCTS

4211 01 MOTORS AND GENERATORS
4211 81 MOTORS AND GENERATORS – Certified to US Standards

Component type, linear servo motors, Series TM, TL, TB and TBW, rated 400 Vmax, 3-ph, 8 kHz, Insulation class B.

	Max.	Max.	
Serie	Constant Current	Constant Force	Cooling Method
TM3.. TM18	1.5 – 9.3 A	60 – 360 N	Natural
TL6..TL24	2.26 – 18.1 A	200 – 800 N	Natural
TB12.. TB30	4.1 – 20.5A	760 – 1900 N	Natural
TBW18..TBW45	6.5 – 32.2A	1200 – 3000 N	Natural/Water

Notes:

1. Motors are certified as component type motors to be assembled in, and as a part of a machine construction, where the suitability of the combination is to be determined by CSA Group or other NRTL.



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2. Motors are provided with connection cables intended to be used in mechanically protected areas of the final installation, where the suitability of the construction is to be determined by CSA Group or other NRTL.
3. Motors are provided with thermal sensors to be connected in external ELV-circuits.
4. The motors need to be mounted on surfaces (heat sink) which provide cooling as per manufacturer's specifications.
5. Type TBW.. (Water cooled) shall have a min. water flow (l/min) at max. Temperature (°C) as per manufacturer's specifications.

APPLICABLE REQUIREMENTS

- | | |
|-----------------------|--|
| CAN/CSA C22.2 No. 0 | - General Requirements |
| CAN/CSA C22.2 No. 0.4 | - Bonding of Electrical Equipment (Protective Bonding) |
| CAN/CSA C22.2 No. 100 | - Motors and Generators |
| UL 1004-1 | - Rotating Electric Machines – General Requirements |



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
70081807	September 22, 2016	Update to report to cover new winding type in models. CAN/CSA C22.2 No. 100-14 and UL 1004-1, 2nd ed., 2012.
70032876	July 3, 2015	Update to cover model TM18 and alternate supply cables. According CAN/CSA C22.2 No. 100-14 and UL 1004-1, 2 nd ed., 2012.
70000843	April 18, 2013	Original cCSAus Certification. Component type linear servo motors, serie TM, TL, TB and TBW. According CAN/CSA C22.2 No. 100-04 and UL 1004-1, 2 nd ed., 2012.