



Certificate of Compliance

Certificate: 2542839

Master Contract: 186833

Project: 80048073

Date Issued: 2021-03-02

Issued To: Coel Motori S.r.l.
Via Campania 40
Fizzonasco Di Pieve Emanuele
Fizzonasco (MI), Milan, 20090
Italy

Attention: Andrea Paone

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator 'US' for US only.



Issued by: *Adrian Baquiran*
Adrian Baquiran

PRODUCTS

CLASS 4228 01 – MOTORS AND GENERATORS for Hazardous Locations

CLASS 4228 81 - MOTORS AND GENERATORS For Hazardous Locations - Certified to US Standards

CLASS 4228 01 – MOTORS AND GENERATORS for Hazardous Locations

Class I, Division 1, Groups C, D;
Class II, Division 1, Group E, F and G; Class III;
Class I, Division 2, Groups B, C, D; Tcode;

Component Type Electromagnetic Brakes, Insulation Class F, Models VIS N 143-145, VIS N 182-184 and VIS N 254-256, rated 24 to 600Vac, 50 / 60 Hz or 24 to 300 Vdc, 15 A max.

Tcode for Class I Division 2 Gr. BCD for 3 models are as below:

VIS N 143-145, with T code (T4A or 120°C)

VIS N 182-184, with T code (T4 or 135°C)

VIS N 254-256, with T code (T4 or 135°C)



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Ambient temperature range is -20°C... +55°C or -50°C... +55°C depending on the casting.

Notes:

1. The subject electromagnetic brakes have been evaluated as Components for electrical safety only: mechanical tests and braking force have not been evaluated. Final combination might be subject to further evaluation by local authorities having jurisdiction.
2. Equipment for use in Class II locations shall not exceed the ignition temperature of the specific rated dust or 165°C, whichever is lower, when installed in locations which are classified due to organic dusts that may dehydrate or carbonize.
3. The automatic reset thermal protectors are to be used in a certified external control circuit of 250 Vac or less, 15A max.

CLASS 4228 81 - MOTORS AND GENERATORS For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups C, D;
Class II, Division 1, Group E, F and G; Class III;
Class I, Division 2, Groups B, C, D; Tcode

Component Type Electromagnetic Brakes, Insulation Class F, Models VIS N 143-145, VIS N 182-184, VIS N 254-256, VIS N 284-286 and VIS N 324-326, rated 24 to 600Vac, 50 / 60 Hz or 24 to 300 Vdc, 15 A max.

Tcode for Class I Division 2 Gr. BCD for 5 models are as below:

VIS N 143-145, with T code (T4A or 120°C)
VIS N 182-184, with T code (T4 or 135°C)
VIS N 254-256, with T code (T4 or 135°C)
VIS N 284-286, with T code (T4 or 135°C)
VIS N 324-326. with T code (T4A or 120°C)

Ambient temperature range is -20°C... +55°C or -50°C... +55°C depending on the casting.

Class II, Division 2, Group F and G;

Component Type Electromagnetic Brakes, Insulation Class F, Models VSTDN 143-145, VIS N 182-184, VIS N 254-256, VIS N 284-286 and VIS N 324-326, rated 24 to 600Vac, 50 / 60 Hz or 24 to 300 Vdc, 15 A max.

Ambient temperature range is -10 to 40 °C.



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Notes:

4. The subject electromagnetic brakes have been evaluated as Components for electrical safety only: mechanical tests and braking force have not been evaluated. Final combination might be subject to further evaluation by local authorities having jurisdiction.
5. Equipment for use in Class II locations shall not exceed the ignition temperature of the specific rated dust or 165°C, whichever is lower, when installed in locations which are classified due to organic dusts that may dehydrate or carbonize.
6. The automatic reset thermal protectors are to be used in a certified external control circuit of 250 Vac or less, 15A max.

APPLICABLE REQUIREMENTS

FM 3600:2011	Approval Standard for Electrical Equipment for use in Hazardous (Classified) Locations General Requirements
FM 3616:2011	Dust-Ignition proof Electrical Equipment General Requirements
FM 3615: 2006	Explosion proof Electrical Equipment
FM 3810: 2005	Approval Standard for Electrical Equipment for Measurement, Control, and Laboratory Use
UL 508: Ed.18: 2018	UL Standard for Safety for Industrial Control Equipment
UL/ CSA 12.12.01-2017	Non incendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (Classified) Locations
CSA C22.2 No. 14:18 (used as guide)	Industrial Control Equipment
CSA C22.2 No 25:1966 (R2014)	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CSA C22.2 No 30:2020	Explosion-Proof Enclosures for Use in Class 1 Hazardous Locations
CSA C22.2 No 213:17	Non Incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

MARKINGS

Refer to MARKINGS section of Descriptive Report and Test Results for details



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
80048073	2021-03-02	Update to Report 2542839 to include Canadian certification (excluding Class II, Division 2, Group F and G for Models VSTDN xxx-xxx.) to existing CSAus certification.
80049611	2021-02-02	Updating Report 2542839 to evaluate 5 types of brakes Model VISN XXX-XXX for Class I Div. 2 BCD as "Parking brakes only" for US.
70207169	2019-07-18	Update to CSA-us Report 2542839 to add a new variation of model VSTDN xxx-xxx for Class II, Division 2, Groups F & G for component type electromagnetic brakes with insulation Class F.
2542839	2012-08-28	Original Certification.