



# Certificate of Compliance

**Certificate:** 70162622

**Master Contract:** 256222

**Project:** 70165136

**Date Issued:** March 12, 2018

**Issued to:** **ELPROMtech srl**  
**Piazza della Repubblica 28**  
**Milano (MI), 20124**  
**Italy**

**Attention:** **E. Mignacco**

*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*



**Issued by:** B Spencer

## PRODUCTS

**CLASS 4228 01 – MOTORS AND GENERATORS for Hazardous Locations**

**Class I Division 1 Groups C, D T4**

**Class II Division 1 Groups E, F, G**

**Tamb = -25 °C to +40 °C**

Series S-T; Squirrel cage induction motors TEFC; Types SH and TH; Permanently connected; Continuously rated 0.18 to 18.5 kW (0.25 to 25 hp); 600V or less; 50 or 60 Hz; 2, 4 or 6 pole; Insulation Class F; IEC Frame Size 71 to 160; Nema Frame Size N48 to N256.

## **Conditions of Acceptability**

1. CAUTION: "The motor shall not be used where the atmosphere contains methand or acetic acid.
2. The motor shall be supplied with an instruction sheet or a wiring diagram, or both, for the temperature-limiting device circuit on a plate or tag.
3. The motor shall be provided with installation, operation and maintenance instructions.



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

**Class I Division 1 Groups C, D T4**

**Class II Division 1 Groups E, F, G**

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4. CAUTION: "The motor shall not be used where the atmosphere contains methand or acetic acid.
5. The motor shall be supplied with an instruction sheet or a wiring diagram, or both, for the temperature-limiting device circuit on a plate or tag.
6. The motor shall be provided with installation, operation and maintenance instructions.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-10 (R2015)	- Canadian Electrical Code, Part II - General requirements
CAN/CSA-C22.2 No. 100-M95	- Motors and Generators
CAN/CSA-C22.2 No. 145-11	- Motors and Generators for Use in Hazardous Locations (Div1)
CAN/CSA-C22.2 No.30-M1986 (R2016)	- Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No.25-17	- Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations
UL 1004 - (2001)	- UL Standard for Safety Electric Motors
ANSI/UL 674 - 5th edition (R2017)	- Motors and Generators for Use in Hazardous Locations (Div1)
ANSI/UL 1203- 5th edition (R2015)	- Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

**MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.



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The following markings are provided on aluminum or stainless steel plates secured to the motor body by screws or rivets.

Markings provided on motor nameplate.

- CSA Monogram for Canada and US
- Submitter's name or the file number "256222" (near the cCSAus Monogram)
- Model number in accordance with the product section of this report
- Electrical ratings in volts, hertz and amps
- Motor output in hp or kW
- Rated load speed (rpm)
- Totally enclosed fan cooled (TEFC)
- Insulation Class: "Class F"
- Tamb = -25 °C to +40 °C
- Duty type : S1, S2 or S3
- Marking in accordance with the product section of this report and additionally optional marking "Class I, Zone 1 Group IIB, Zone 20 or Zone 21" may appear.
- Date of manufacture: Month and year of manufacture or date code. If a serial number is used instead of date of manufacture, a record of serial numbers shall be kept traceable to date of manufacture. (Not related to date of sale)
- The protective earthing TERMINAL is identified by the IEC 60417 No 5019 symbol "⊕" adjacent to the TERMINAL

Markings provided on separate warning plate.

- The warning "DO NOT OPEN WHEN ENERGIZED"  
"AVERTISSEMENT – NE PAS OUVRIR SOUS TENSION"
- The warning "A SEAL SHALL BE INSTALLED WITHIN 50 mm OF THE ENCLOSURE"  
"UN JOINT DOIT ÊTRE INSTALLÉ À MOINS DE 50mm DE L'ENCEINTE"
- The warning "CAUTION - THE MOTOR SHALL NOT BE USED WHERE THE ATMOSPHERE CONTAINS METHANOL OR ACETIC ACID".  
"ATTENTION: "NE PAS ÊTRE UTILISÉ LORSQUE L'ATMOSPHÈRE COMPREND DU MÉTHANOL OU DE L'ACIDE ACÉTIQUE".
- The warning "CONNECT THE THERMAL PROTECTION TO A CONTROL RELAY".  
"CONNECTEZ LA PROTECTION THERMIQUE À UN RELAIS DE COMMANDE".

Metric threaded entries shall have a permanent marking near the supply connection opening which includes the supply connection thread size, and type, i.e. M20, M25, M32, M40.