



Certificate of Compliance

Certificate: 70013318

Master Contract: 155335

Project: 70136293

Date Issued: 2017-05-26

Issued to: Tescom Corporation
Industrial Controls Division
12616 Industrial Blvd
Elk River, Minnesota 55330
USA
Attention: Jake Renollett

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: Gino Surace
Gino Surace

PRODUCTS

Class 2258-02 – Process Control Equipment – For Hazardous Locations

Class 2258-82 – Process Control Equipment – For Hazardous Locations Certified to U.S. Standards

Class I, Division 1, Groups B, C & D; Class II, Division 1, Groups E, F, & G; Class III;

Ex db IIB+H2 T5 Gb

Ex tb IIIC T100°C Db IP6X

Zone 1, AEx d IIB+H2 T5 Gb

Zone 21, AEx tb IIIC T100°C Db IP6X

Electropneumatic Controller

Model: ER5050xx-x-xxx

Input Ratings: 20.5 to 28.5Vdc, 350mA maximum (180 mA nominal)

MWP: 758 kPa (110 psi)

Type 4X, IP66

Tamb: -20°C ≤ Ta ≤ +60°C



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APPLICABLE REQUIREMENTS

C22.2 No 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products
C22.2 No 94-M91 (R2001)	Special Purpose Enclosures
C22.2 No. 25- 1966 (R2004)	Enclosures for Use in Class II Groups E, F and G Hazardous Locations
C22.2 No. 60079-0-11	Electrical apparatus for explosive gas atmospheres – Part 0: General Requirements
C22.2 No. 60079-1-11	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof Enclosures “d”
C22.2 No. 60079-31:12	Explosive Atmospheres – Part 31: Equipment Dust Protection by Enclosure “t”
C22.2 No. 61010-1:12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
ANSI/ISA 61010-1:12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL 1203, 5 th Edition	Explosion-proof and Dust-Ignition-Proof Electrical Equipment (Classified) Locations.
UL 60079-0: 6 th Edition	Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements.
UL 60079-1: 7 th Edition	Electrical apparatus for explosive gas atmospheres – Part 1: Flame-Proof Enclosures “d”
UL 60079-31: 2 nd Edition	Explosive Atmospheres – Part 31: Equipment Dust Protection by Enclosure “t”
UL 50 11 th Edition	Enclosures for Electrical Equipment

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.

Nameplate material: Nameplate is manufactured from either aluminum or 300 series stainless steel, and mechanically secured to the enclosure cover by four drive screws. The markings are silkscreened using black epoxy paint with a clear coat followed by an epoxy overcoat.

The products listed 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 U.S. Standards) or with adjacent indicator ‘US’ for US only or without either indicator for Canada only.

1. Submitter’s name, trademark, or the CSA file number (adjacent the CSA Mark).
2. Catalogue / Model designation.
3. Complete electrical rating (amps, and volts).



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4. Serial number traceable to month and year of manufacture.
5. Hazardous Location Ratings
6. $-20^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$
7. Enclosure Type 4X/IP66
8. The CSA Mark with the “c” and “us” qualifiers.
9. The following bilingual cautions:
 - a. “WARNING: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT”
 - b. “WARNING: SEAL ENCLOSURE WITHIN 18 INCHES”
 - c. “WARNING: SEE INSTALLATION DOCUMENT”
 - d. “WARNING: ALL CABLE, CABLE GLANDS & CONDUCTORS NEED $>85^{\circ}\text{C}$ RATING”



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
70136293	2017-05-26	Update to report 70013318 to include revised drawing ERAA10010.
70013318	2015-10-19	Certification of Models ER5050xx-x-xxx to include Class I, Division 1, Groups BCD, Class II Groups EFG, Class III and Zone 1 Ex db/AEx d IIB+H2, Zone 21 Ex/AEx tb IIIC.