



Certificate of Compliance

Certificate: 2541710

Master Contract: 227951 (227951)

Project: 70079817

Date Issued: 2016-07-22

Issued to: Young Tech Co. Ltd.
3022 Hagun-ri
Yangchon-myeon
Gimpo-si
Gyeonggi-do, 415-843
SOUTH KOREA
Attention: Stan Przybylowicz

The products listed below are eligible to bear the CSA Mark shown



Issued by: *Gino Surace*
Gino Surace

PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-

CLASS - C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

CLASS 2258-02 – PROCESS CONTROL EQUIPMENT For Hazardous Locations

CLASS 2258-82 – PROCESS CONTROL EQUIPMENT For Hazardous Locations -Certified to U.S. Standard

Ex db IIC T5 or T6

Class I, Zone 1, AEx db IIC T5 or T6,

Class II, Division 1, Groups E, F and G;

Ex tb IIIC T85°C/T100°C

AEx tb IIIC T85°C/T100°C

Electro-pneumatic valve positioner YT 3400/YT3450 series used for operation of pneumatic valve actuators by means of electrical controller or control systems with analogue output signal of 4 to 20 mA; voltage ratings are as follows: 1-5Vdc (option 10-30 Vdc), rated -40°C to +70°C (T6) or -40°C to +80°C (T5), enclosure rating is IP66.

Note: Hazardous area with carbon disulfide is excluded.



Certificate: 2541710
Project: 70079817

Master Contract: 227951
Date Issued: 2016-07-22

APPLICABLE REQUIREMENTS

| | |
|---|---|
| CSA C22.2 No. 0-M91 | General Requirements - Canadian Electrical Code, Part II |
| CAN/CSA C22.2 No 60079-0:11 | Electrical Apparatus for Explosive Gas Atmospheres Part 0: General Requirements |
| CSA C22.2 No 60079-1:07 | Electrical Apparatus for Explosive Gas Atmospheres Part 1: Flameproof Enclosure “d” |
| CAN/CSA-C22.2 No. 60079-31:12 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure “t” |
| CAN/CSA-C22.2 No.139-10 | Electrically operated valves |
| CAN/CSA-C22.2 No. 61010-1-12 (May 2012) | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements |
| ANSI/IEC 60529:2004 | Degrees of Protection Provided by Enclosures (IP Code) (identical national adoption) |
| ISA 60079-0 (12.00.01): 2009 | Electrical Apparatus for Use in Class I, Zone 0, 1 & 2 Hazardous (Classified) Locations: General requirements |
| ANSI/ISA-60079-1 (12.22.01):2009 | Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures “d” |
| UL Standard 1002 | Electrically Operated Valves For Use in Hazardous (Classified) Locations, Class I, Groups A, B C and D, Class II, Groups E, F and G |
| ANSI/UL 61010-1 Third Edition (May 11, 2012) | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements |

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.

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.

The following information appears on a nameplate:

- Submitter's name or CSA Master Contract
- Model type: YT3400 / YT3450
- Serial number/ date



Certificate: 2541710
Project: 70079817

Master Contract: 227951
Date Issued: 2016-07-22

- Input signal: 4 – 20 mA
- Supply pressure:
- Ambient temperature range: -40°C to +70°C (T6)
-40°C to +80°C (T5)
- Hazardous Location designations:
- Marking code: Ex db IIC T5 or T6
Class I, Zone 1, AEx db IIC T5 or T6,
Class II, Division 1, Groups E, F and G; Ex tb IIIC T85°C/T100°C
AEx tb IIIC T85°C/T100°C

- CSA certificate number: CSA 12. 2541710.
 - CSA monogram
 - Time rating if not continuous
 - Maximum Working Pressure (when applicable)
- The aluminum marking plate is mounted to the enclosure by means of 4 screws.

“Warning: A seal shall be installed at wall enclosure”

“Warning: Keep cover tight while circuits are alive”
and

“Avertissement: Garder le couvercle bien ferme tantqueles circuits sont sous tension”

“Potential electrostatic charging hazard: see instructions”



Supplement to Certificate of Compliance

Certificate: 2541710

Master Contract: 227951 (227951)

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 |
|----------------|-------------|---|
| 70079817 | 2016-07-22 | Evaluation to update Report 2541710; per only a paperwork review. Additional funds to be requested for any testing determined required. |
| 70023839 | 2015-05-20 | Update of report 2541710 to include revised drawings and lower ambient temperature range to -40C. Additional funds to be requested for any testing determined required. Add Factory Fairchild IPC, Winston-Salem, NC ID4507002 (Waive IFE). |