



Certificate of Compliance

Certificate: 2541710

Master Contract: 227951

Project: 2541710

Date Issued: October 16, 2012

Issued to: Young Tech. co., Ltd
#3022, Hagun-Ri, Yangchon-Myeon,
Gimpo-Si, Gyeonggi-Do
KOREA
Attention: Mr. Jong-Hoon, Lee

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: E.Giusti
E.Giusti

PRODUCTS

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). Enclosure rating is IP66.

Note: Hazardous area with carbon disulfide is excluded.



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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
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

MARKINGS

The following information appears on a nameplate:

- Submitter’s name or CSA Master contract
- Model type: YT3400 / YT3450
- Serial number/ date
- Input signal: 4 – 20 mA
- Supply pressure:
- Ambient temperature range: -20°C to +70°C (T6)
-20°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”
- “Potential electrostatic charging hazard: see instructions”



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
2541710	October 16, 2012	Original Certification. PROCESS CONTROL EQUIPMENT 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