



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 2023402 (LR 53988)

Master Contract: 151079

Project: 2023402

Date Issued: 2008/08/08

Issued to: Endress + Hauser GmbH + Co. KG
Hauptstrasse 1
Maulburg, Baden-Wurttemberg 79690
Germany
Attention: Dieter Benz

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



Issued by: Edward Foo, C.E.T.

Authorized by: Patricia Pasemko, Operations
Manager

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Ex d IIC: Class I, Zone 1:

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

- Modulator, Model FHG65-PbcDe, rated 18-36 Vdc, 3.2 W. Install with/without water cooling per Control Dwg 960008704. Temperature Codes T6, $-40\text{ }^{\circ}\text{C} \leq \text{Tamb} \leq +60\text{ }^{\circ}\text{C}$ (without water cooling); T5, $-40\text{ }^{\circ}\text{C} \leq \text{Tamb} \leq +75\text{ }^{\circ}\text{C}$ (with water cooling at terminal housing); T6, $-40\text{ }^{\circ}\text{C} \leq \text{Tamb} \leq +60\text{ }^{\circ}\text{C}$ (with water cooling at pipe housing). Seal Required within 2". Enclosure Types 4X/6. IP65/67.



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APPLICABLE REQUIREMENTS

- CAN/CSA C22.2 No. 0-M91 - General Requirements - Canadian Electrical Code, Part II
- CSA Std C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
- CSA Std C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations
- CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures
- CAN/CSA-C22.2 No. 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
- CAN/CSA-E60079-0:02 - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
- CAN/CSA-E60079-1:02 - Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Flameproof Enclosures "d"
- CAN/CSA-C22.2 No. 60529:05 - Degrees of protection provided by enclosures (IP Code)



Supplement to Certificate of Compliance

Certificate: 2023402

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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
2023402	2008/08/08	CSA Cert. for FHG65 for CL I,II,III; Grps ABCDEFG & CL I Zone 1: Ex d IIC: Hazloc per test report from KEMA & Ord.Loc. per E+H Category Program.

History

Supplement Notes