



Certificate of Compliance

Certificate: 2504438

Master Contract: 179619

Project: 2504438

Date Issued: May 25, 2012

Issued to: Kimray Incorporated

Post Office Box 18255
Oklahoma City, OK 73154
USA
Attention: Dustin Hayt

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.



Scott Wallace

Issued by: Scott Wallace

PRODUCTS

CLASS 3228 02 - VALVES - Actuators - For Hazardous Locations

CLASS 3228 82 - VALVES - Actuators - For Hazardous Locations-Certified to U.S. Standard

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

- Electro-Hydraulic Actuator models EHA 12 FS DM and EHA 12 FIP DM. Rated 11-14Vdc, 4A maximum; Ambient temperature range -40 to +60°C; MWP 207kPa (30psi); Temperature Code T6
- Electro-Hydraulic Actuator models EHA 24 FS DM and EHA 24 FIP DM. Rated 22-26Vdc, 4A maximum; Ambient temperature range -40 to +60°C; MWP 207kPa (30psi); Temperature Code T6

Conditions of Acceptability:

- A reservoir for hydraulic fluid must be attached to the EHA final assembly with any diaphragm operated valve to allow hydraulic input and to use as a visual indicator for the hydraulic fluid level.
- The operating program of the Microcontroller Circuit Board must include a provision to shut down the pump in the event that the hydraulic lines become empty and remain in the off state until the fluid level is restored and the Microcontroller Circuit Board is reset.



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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-10	General Requirements - Canadian Electrical Code, Part II
CSA Std C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA Std C22.2 No. 25-1966	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CSA Std C22.2No. 139-10	Electrically Operated Valves
ANSI/UL Std. 429, 6th Ed.-2009	Electrically Operated Valves
UL Std 1002, 7th Ed.-2006	Electrically Operated Valves For Use in Hazardous (Classified) Locations

MARKINGS

All markings shall be in accordance with the requirements of the local regulatory authorities and related standards.

Method of Marking: The following markings are provided on a 0.020” thick aluminum nameplate attached to the outside of the enclosure by screws, drive pins or 3M Adhesive Transfer Tape 468MP Type 200MP / Clear. The markings are a combination of enamel and stamping.

- Manufacturer’s name: "Kimray Inc.", or CSA Master Contract Number “179619”, adjacent to the CSA Mark in lieu of manufacturer’s name.
- Model number: As specified in the PRODUCTS section above.
- Electrical ratings: As specified in the PRODUCTS section above.
- Ambient temperature rating: As specified in the PRODUCTS section above.
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section above.
- The CSA Mark with or without “C” and “US” indicators as shown on the Certificate of Conformity.
- Hazardous Location designation: As specified in the PRODUCTS section above (may be abbreviated).
- Temperature code: As specified in the PRODUCTS section above.
- Rated maximum working pressure, as specified in the PRODUCTS section above.
- The following optional markings may be used: “Class I, Zone 1, IIB; T6”
- Terminal Designations adjacent to each field wiring terminal.
- The designation “GND”, ISO 60417 Symbol 5019 , or equivalent adjacent to the equipment ground terminal.
- The following words:
 - “OPEN CIRCUIT BEFORE REMOVING COVER” or "KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE”.
 - “SEAL REQUIRED WITHIN 18 INCHES”.

An installation manual or data sheet shall be supplied with each unit, containing the following minimum marking information:



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- Manufacturer's name and address
- Electrical ratings: As specified in the PRODUCTS section above..
- Specification for ambient temperature rating: As specified in the PRODUCTS section above.
- Specification for process pressure ratings: As specified in the PRODUCTS section above.
- Specification for appropriate wiring to the connector, including definition of pin functions, and specification for wire gauge.
- Mounting and installation instructions, including dimensions, and the following words, or equivalent:
 - Wiring to or from this device, which enters or leaves the system enclosure, must utilize wiring methods suitable for Class I, Division 1 Hazardous Locations, as appropriate for the installation.
- The following words, or suitable equivalent:
 - **WARNING - Explosion Hazard.** Do not connect or disconnect this equipment unless power has been removed or the area is known to be nonhazardous.

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".