



Class Description

CLASS NUMBER: 3228-02 **DESCRIPTION:** VALVES-Actuators - For Hazardous Locations

COVERAGE:

Electrically operated, general purpose valve actuators, rated 600 volts and less. Actuators intended for use in other equipment are subject to additional investigation with the equipment.

This category does not include performance capabilities of equipment.

REQUIREMENTS:

CSA Standard C22.2 No 0	General Requirements - Canadian Electrical Code, Part II
CSA Standard C22.2 No 25	Enclosures for Use In Class II, Groups, E, F, and G Hazardous Locations
CSA Standard C22.2 No 30	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA Standard C22.2 No 139	Electrically Operated Valves
CSA Standard E79-0	Electrical Apparatus for Electrical Gas Atmospheres Part 0: General Requirements
CSA Standard E79-1	Electrical Apparatus for Explosive Gas Atmospheres - Part 1: Construction and Verification Test of Flameproof Enclosures of Electrical Apparatus
CSA Standard E79-7	Electrical Apparatus for Explosive Gas Atmospheres - Part 7: Increased Safety "e"
CSA Standard E79-18	Electrical Apparatus for Explosive Gas Atmospheres - Part 18: Encapsulation "m"
CSA Standard E1241-1-1	Electrical Apparatus for Use in the Presence of Combustible Dust - Part 1: Electrical Apparatus Protected by Enclosures

The Certified equipment appearing in this classification is judged to comply with the applicable requirements of the NFPA 70 National Electrical Code (NEC).

NOTES:

Notes applicable to specific devices or submitters are detailed in the individual submitter's listing.

MARKING:

All marking required by CSA must be permanent, legible and located when readily visible for review after installation of the equipment, except as permitted otherwise. The contents consist of:

- submittor's identification;
- model designation or equivalent;
- complete electrical rating;
- applicable hazardous locations designation;
- time rating if not continuous;
- date code or equivalent;
- bilingual caution re use in hazardous locations;
- additional markings as may be required by the applicable Standards for specific models or usages;
- CSA Monogram.

In addition, equipment intended for display, sale or use in the USA, is required to include other information such as warning statements, installation instructions, etc., as may be specified in the NEC.

/mkc