



Certificate: 70010389

Project: 70143895

Master Contract: 182407

Date Issued: 2017-08-28

- Cable glands type HSK-K-Multi-Ex-Active 1.581.****.** and HSK-K-Flaka-Ex-Active 1.582.****.** Operating temperature -20°C to +85°C. IP 68 at 10 bar.

- Notes:**
1. Cable glands sizes M12, M16 and NPT 3/8" to be protected by the enclosure against mechanical impact energy levels higher than 4 Joule.
 2. The cable glands are with O-ring sealing made of NBR, additionally they can be used with FKM or VMQ sealing.
 3. The classification of the temperatures to the Temperature Code of the bushing is to be determined in the type test of the respective electrical equipment.
 4. Suitability of end use installation to be determined by certification body or Local Authority having Jurisdiction

APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 0-10	- General Requirements – Canadian Electrical Code, Part II
CSA Std. C22.2 No. 213-M1987 (R 2004)	- Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CSA Std. C22.2 No. 25-1966 (R 2004)	- Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CAN/CSA-C22.2 No.174-M1984 (R 2003)	- Cables and Cable Glands for Use in Hazardous Locations
CAN/CSA-C22.2 No. 60079-0:11	- Electrical apparatus for explosive gas atmospheres – Part 0: General requirements
CAN/CSA-C22.2 No. 60079-7:12	- Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"
CAN/CSA-C22.2 No. 60079-31:12	- Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure "t"
CAN/CSA C22.2 No. 18.3-04 (R 2009)	- Conduit, Tubing, and Cable Fittings
CAN/CSA-C22.2 No. 18-92	- Outlet Boxes, Conduit Boxes, and Fittings
UL Std. No. 1203 (3rd Edition)	- Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 2225, 4 th Ed.	- Cables and Cable-Fittings For Use In Hazardous (Classified) Locations
ANSI/ISA 12.12.01:2007	- Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations
ANSI/UL 514B, Edition 5	- Conduit, Tubing and Cable Fittings
ANSI/UL 60079-0 (5th Edition 2009)	- Explosive Atmospheres – Part 0: Equipment - General Requirements
ANSI/UL 60079-7 (Ed 4 th 2008)	- Explosive Atmospheres – Part 7: Equipment Protection by Increased Safety "e"
ANSI/ISA-60079-31 (12.10.03)-2015	- Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure "t"

MARKINGS



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- submittor's identification;
 - model designation or equivalent;
 - applicable hazardous locations ratings.
 - cautions, warnings and additional markings as may be required by the applicable Standards;
 - CSA Monogram with C/US Indicator, provided on the packaging.
 - Reference to certification number (CSA 15. 70010389X), provided on the packaging.
 - Class I, Zone 1, Ex/AEx e IIC, provided on the packaging.
 - Class II, Zone 1, Ex/AEx ta IIIC Da
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- Cable glands do not have to be marked with the serial number and the temperature class. The complete address is only stated on the packaging and in the instructions.
 - The complete address is only stated on the packaging and in the instructions.
 - The IP marking is only stated on the packaging and in the instructions.
 - The instructions refer to the special requirements of the installation instructions
 - Special conditions are mentioned in the installation sheet.
 - Installation sheet and assembly instruction are attached in every packaging unit.

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".



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
70143895	2017-08-28	Update to Report 70010389 and include the standards update and assessment against requirements of the UL 2225.
70076838	2016-06-03	Update to existing Report 70010389 to add cable glands type HSK-K-Multi-Ex-Active and HSK-K-Flaka-Ex-Active series.
70010389	2015-02-25	CSA certification of HSK-K-Ex-Active Poliamid cable glands based on ATEX and IEC EX certification.