



# Certificate of Compliance

**Certificate:** 70010389 (LR 104031)

**Master Contract:** 182407

**Project:** 70010389

**Date Issued:** February 24, 2015

**Issued to:** Hummel AG

Lise-Meitner-Strasse 2  
Denzlingen, 79211  
Germany  
Attention: Klaus Gehri

*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.*



*Marin Banu*

**Issued by:** Marin Banu, P. Eng.

## **PRODUCTS**

**CLASS 4418 85** - CABLE-Hardware - For Hazardous Locations-Certified to U.S. Standards

**CLASS 4418 05** - CABLE - Hardware - For Hazardous Locations

Class I, Div 2, Groups A, B, C, D; Class II, Div 1 or 2, Groups E, F and G

Class I, Zone 1, Ex/AEx e IIC Gb

Polyamide Cable Glands, Models HSK-K-Ex-ACTIVE; 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 classification of the temperatures to the Temperature Code of the bushing is to be determined in



**Certificate:** 70010389 (LR 104031)

**Master Contract:** 182407

**Project:** 70010389

**Date Issued:** February 24, 2015

---

the type test of the respective electrical equipment.

3. 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. 60079-0:07         | - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements  |
| CAN/CSA-C22.2 No. 60079-7:03         | - Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"  |
| 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                                 |
| 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 60079-0 (5th Edition 2009)   | - Explosive Atmospheres – Part 0: Equipment - General Requirements   |
| ANSI/UL 60079-7 (Ed 4th 2008)        | - Explosive Atmospheres – Part 7: Equipment Protection by Increased Safety "e"   |