



# Certificate of Compliance

**Certificate:** 2227587 (LR 85562)

**Master Contract:** 180267

**Project:** 80016559

**Date Issued:** 2019-11-11

**Issued to: BARTEC GmbH**  
Max-Eyth-Str 16  
Bad Mergentheim, Baden-Württemberg 97980  
GERMANY  
Attention: Mr. Cristian Olareanu

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only*



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

## PRODUCTS

**Class 4418 02** OUTLET BOXES AND FITTINGS Boxes - For Hazardous Locations

**Class 4418 82** OUTLET BOXES AND FITTINGS Boxes - For Hazardous Locations - Certified to US Standards

Class I, Div. 1 Groups A, B, C, D

Class I, Zone 1, Ex/AEx d IIC

Type 07-91ab-cde/\*f Line Bushing

a = Sleeve Type: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 or A

b = Isolation Voltage: 0, 1, 2, 3, 4, 5, 8, 9 or A

c = Conductor Cross Sectional Area: 0, 1, 2, 3, 4, 5, A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y or Z

d = Number of conductors: 00 through 99

e = Sleeve Size: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, C, D, E, F, G, H, K, L, R or S

f = Code for Special Requirements: A, B, C, D, R, S, T, U, H or X



**Certificate:** 2227587 (LR 85562)

**Master Contract:** 180267

**Project:** 80016559

**Date Issued:** 2019-11-11

- Notes:
1. Equipment Ratings: Component for use as inter-compartment/feed-throughs in explosion-proof/flameproof enclosures or from explosion-proof/flameproof to increased safety enclosures or from explosion-proof/flameproof to intrinsically-safe compartments
  2. 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.
  3. Suitability of end use installation to be determined by certification body or Local Authority having Jurisdiction.
  4. Suitability of non-certified cable and wire to be determined by certification body or Local Authority having Jurisdiction.

### **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-10	General Requirements - Canadian Electrical Code, Part II
CSA C22.2 No. 25-1966 (R 2014)	Enclosures for Use in Class II Groups, E, F and G Hazardous Locations
CSA C22.2 No. 30-M1986 (R 2012)	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA C22.2 No. 18.3-12	Conduit, tubing, and cable fittings
CAN/CSA-C22.2 No. 60079-0:11	Explosive atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60079-1:11	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
UL 916, Ed 4 (2007)	Energy Management Equipment
UL Std No. 1203 (5 <sup>th</sup> Edition)	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
ANSI/UL 60079-0 (6 <sup>th</sup> Edition 2011)	Explosive Atmospheres – Part 0: Equipment - General requirements
ANSI/UL 60079-1 (6 <sup>th</sup> Edition 2007)	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
T.I.L. No E-11	Enclosures of Welded Construction for Class I, Division 1, Hazardous Locations
T.I.L. No E-12	Explosion-proof Enclosures For Use in Class I Hazardous Locations
T.I.L. No E-13A	Electrical Equipment For Use in Hazardous Locations



**Certificate:** 2227587 (LR 85562)

**Master Contract:** 180267

**Project:** 80016559

**Date Issued:** 2019-11-11

---

T.I.L. No E-17	Explosion Proof Enclosures for Use in Class I Hazardous Locations
T.I.L. No E-18	Explosion Proof Enclosures for Use in Class I Hazardous Locations
T.I.L. No E-24A	HAZ LOC Equipment Class
T.I.L. No E-25	Electrical Equipment for Use in Explosive Gas Atmospheres

### **MARKINGS**

- submittor's identification;
- model designation or equivalent;
- applicable hazardous locations Class, Group and sometimes Division.
- cautions, warnings and additional markings as may be required by the applicable Standards;
- CSA Monogram with C/US Indicator.

The manufacturer permanently stamps or laser etches the sleeve of the line bushing with marking information. The line bushings have limited marking due to lack of space. Each line bushing is marked with the manufacturer name, model designation, electrical rating and the CSA logo. In some cases, where space is very limited some of this information is put on the packaging of the line bushing. See the drawing 01-9101-610002 for the marking format of the line bushing sleeve and packaging.

*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*

**Certificate:** 2661551 (LR 85562)

**Master Contract:** 180267

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

---

<b>Project</b>	<b>Date</b>	<b>Description</b>
80016559	Nov. 11, 2019	Update to report 2227587 to include additional models
70182573	July 12, 2018	Update to report 2227587 to include updated standards.
70057253	Jan 28, 2016	Update to existing CSA Report 2227587 to add new cables.
2463869	Dec 16, 2011	Update to Report 2227587 to include CSA C/US of cable glands (Line Bushing Type 07-91) for Class I, Div. 1 and Zone 1.
2227587	Nov 6, 2009	Original Certification.