



# Certificate of Compliance

**Certificate:** 2140177

**Master Contract:** 245423

**Project:** 2718972

**Date Issued:** July 16, 2014

**Issued to:** Quintex GmbH

13 i\_Park Tauberfranken  
Lauda-Konigshofen, Baden-Wurttemberg D-97922  
Germany  
Attention: Thomas Michelbach

*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.*



*Aisha Sreenath*

**Issued by:** Aisha Sreenath

## **PRODUCTS**

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

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

Class I, Div 1 Gr. ABCD

Line Bushings and Plugs, Provides Secondary Process Seal, rated 2000 PSI Max

Ta:  $-55^{\circ}\text{C} \leq \text{Ta} \leq 115^{\circ}\text{C}$

Type: LB abcde/f

Where:

a - Denotes type

S= Screwable



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P= Plugable

U= Screwable with shock protection

Z= Plugable with shock Protection

b – Denotes thread

M=Metric

N=NPT Thread

c – Size of Thread

10-42mm or NPT equivalent

d – Rated insulation voltage

0-(no wires)

1- 440V

2- 690V

3- 1000V

4- 3000V

5- 6000V

e – number of cores

00 (no core)-50

f- option not relevant to this report

Measuring voltage/Operating voltage (see condition of certification 2):

Type LB\_\_1\_\_ 440/500 V



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Type LB\_\_2\_\_ 690/750 V

Type LB\_\_3\_\_ 1000/1100 V

Operating Current (see condition of certification 2)

0.25mm <sup>2</sup> 3.0A	6mm <sup>2</sup> 36A
0.35mm <sup>2</sup> 5.5A	10mm <sup>2</sup> 50A
0.5mm <sup>2</sup> 7.5A	16mm <sup>2</sup> 67A
0.75mm <sup>2</sup> 10A	25mm <sup>2</sup> 90A
1.0mm <sup>2</sup> 12A	35mm <sup>2</sup> 110A
1.5mm <sup>2</sup> 15A	50mm <sup>2</sup> 140A
2.5mm <sup>2</sup> 21A	70mm <sup>2</sup> 170A
4.0mm <sup>2</sup> 28A	95mm <sup>2</sup> 205A

#### Conditions of Certification

1. Suitability of end use installation to be determined by certification body or Local Authority having Jurisdiction.
2. Suitability of non-certified cable and wire to be determined by certification body or Local Authority having Jurisdiction.

#### Notes:

#### **APPLICABLE REQUIREMENTS**

- C22.2 No 0 - M1991 - General Requirements - Canadian Electrical Code Part II.
- C22.2 No 30 - M1986 - Explosionproof Enclosures for Use in Class I Hazardous Locations
- C22.2 No 18.3 - 04 - Conduit, Tubing, and Cable Fittings
- ANSI/ISA-12.27.01-2003 - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids
- UL 1203, 4th Edition - Explosion Proof and Dust Ignition Proof Electrical Equipment for Use in Hazardous (Classified) Locations.
- UL 886 10th ed - Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations