



Member of the FM Global Group

FM Approvals  
1151 Boston Providence Turnpike  
P.O. Box 9102 Norwood, MA 02062 USA  
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**Models JB4SS, JB4ES, JB4SP, JB4EP, JB8SP. Junction box.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 50°C – 173044, 173149; Entity; Type 4X, IP66

Entity Parameters:

Excitation:  $V_{max} = 17\text{ V}$ ,  $I_{max} = 442\text{ mA}$ ,  $P_i = 1.88\text{ W}$ ,  $C_i = 0\text{ }\mu\text{F}$ ,  $L_i = 0\text{ uH}$

Sense:  $V_{max} = 17\text{ V}$ ,  $I_{max} = 19\text{ mA}$ ,  $P_i = 0.081\text{ W}$ ,  $C_i = 0\text{ }\mu\text{F}$ ,  $L_i = 0\text{ uH}$

Signal:  $V_{max} = 10\text{ V}$ ,  $I_{max} = 41\text{ mA}$ ,  $P_i = 0.103\text{ W}$ ,  $C_i = 0\text{ }\mu\text{F}$ ,  $L_i = 0\text{ uH}$

*Special Conditions of Use:*

- 1. Clean the J-Box enclosure with a damp cloth only – Electrostatic Charging Hazard.*
- 2. This equipment was examined and approved for connection to a single Indicator only.*

### Equipment Ratings:

Intrinsically safe (Entity) for use in Class I, II and III Division 1, Groups A, B, C, D, E, F & G Hazardous (Classified) Locations.

### FM Approved for:

Rice Lake Weighing Systems  
Rice Lake WI 54868



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3610	2015
Class 3600	2011
Class 3810	2005
ANSI/IEC 60529	2004
ANSI/NEMA 250	2003

Original Project ID: 3052594

Approval Granted: April 5, 2016

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

J.E. Marquedant  
Manager of Electrical Systems

5 April 2016

Date



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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

**Models JB4SS, JB4ES, JB4SP, JB4EP, JB8SP. Junction box.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 50°C – 173044, 173149; Entity; Type 4X, IP66

Entity Parameters:

Excitation:  $V_{max} = 17\text{ V}$ ,  $I_{max} = 442\text{ mA}$ ,  $P_i = 1.88\text{ W}$ ,  $C_i = 0\text{ }\mu\text{F}$ ,  $L_i = 0\text{ uH}$

Sense:  $V_{max} = 17\text{ V}$ ,  $I_{max} = 19\text{ mA}$ ,  $P_i = 0.081\text{ W}$ ,  $C_i = 0\text{ }\mu\text{F}$ ,  $L_i = 0\text{ uH}$

Signal:  $V_{max} = 10\text{ V}$ ,  $I_{max} = 41\text{ mA}$ ,  $P_i = 0.103\text{ W}$ ,  $C_i = 0\text{ }\mu\text{F}$ ,  $L_i = 0\text{ uH}$

*Special Conditions of Use:*

- 1. Clean the J-Box enclosure with a damp cloth only – Electrostatic Charging Hazard.*
- 2. This equipment was examined and approved for connection to a single Indicator only.*

### Equipment Ratings:

Intrinsically safe (Entity) for use in Class I, II and III Division 1, Groups A, B, C, D, E, F & G Hazardous Locations.

### FM Approved for:

Rice Lake Weighing Systems  
Rice Lake WI 54868



Member of the FM Global Group

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CAN/CSA-C22.2 No. 157	2012
CAN/CSA-C22.2 No, 1010.1	2012
CAN/CSA-C22.2 No. 60529-05	2005
NEMA 250	2003

Original Project ID: 3052594

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