



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

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

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

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

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

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

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



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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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