FM Approvals
Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

B3HU-1, B3HU-1/A. Two-Wire Universal Transmitter

IS / I / 1 / ABCD / T4 Ta = 80 ºC, T5 Ta = 55 ºC; - 20089-81-NC Entity; IP20
I / 0 / AEx ia IIC / T4 Ta = 80 ºC, T5 Ta = 55 ºC; - 20089-81-NC Entity; IP20

Input Entity Parameters:

Ui (Vmax) = 30V, Ii (Imax) = 96mA, Pi = 0.72W, Ci = 1 nF, Li = 0

Output Entity Parameters:

Uo (Voc) = 6.4 V, Io (Isc) = 30 mA, Po = 48 mW

Class I, Zone 0, Group IIC Co (Ca) = 20 µF Lo (La) = 10 mH
Class I, Division 1, Groups A & B

Special Condition for use;

1. The B3HU Two-Wire Universal Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application, including a tool removable enclosure.

Equipment Ratings:

Intrinsically safe for Class I, Division 1, Groups A, B, C, and D hazardous (classified) locations with an IP20 enclosure and intrinsically safe for Class I, Zone 0, Group IIC hazardous

FM Approved for:

M-System Co., Ltd
5-2-55 Minamitsumori, Nishinari-ku, Osaka
557-0063 Japan

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

Class 3600	1998
Class 3610	2007
Class 3810	2005
ISA-12.00.01	1998

Original Project ID: 3034536

Approval Granted: February 10, 2009

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
120609	July 27, 2012		

FM Approvals LLC

J.E. Marquedant

J.E. Marquedant
Group Manager, Electrical

27 July 2012
Date