

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

IM461050A/M-xxx and IM465011A/M-xxx; AS-i I/O Module.

NI / I, II / 2 / ABCDFG / T5 Ta = 80°C.

xxx = Optional 3-5 alpha or numeric digits for special and marketing identification (not affecting safety).

Special conditions of use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

IM461052A/M-xxx and IM465014A/M-xxx; Foundation Fieldbus, No Analog I/O Module.

IS / I, II, III / 1 / ABCDEFG / T5 Ta = 80°C – 105125; FISCO; NI / I, II / 2 / ABCDFG / T5 Ta = 80°C.

FISCO Parameter, $U_i = 30V_{dc}$, $I_i = 380 mA$, $P_i = 5.32W$, $C_i = 0$, $L_i = 0$.

xxx = Optional 3-5 alpha or numeric digits for special and marketing identification (not affecting safety).

Special conditions of use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

IM461054A/M-xxx and IM465015A/M-xxx; Foundation Fieldbus, with Analog I/O Module.

NI / I, II / 2 / ABCDFG / T5 Ta = 80°C.

xxx = Optional 3-5 alpha or numeric digits for special and marketing identification (not affecting safety).

Special conditions of use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

AC461091A/M and AC465026A/M; AS-i Repeater Module.

NI / I, II / 2 / ABCDFG / T5 Ta = 80°C.

Special conditions of use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.



Member of the FM Global Group

DR461145A/M, DR461146A/M, DR465032A/M and DR465033A/M; AS-i Protected Drop Connector Module.

NI / I, II / 2 / ABCDFG / T5 Ta = 80°C – 105172, NIFW.

NIFW Parameters Voc = 31.6 Vdc, Isc = 100 mA, Ca = 167 nF, La = 5.0 mH.

Special conditions of use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

DR461059A/M, DR461017A/M, DR461066A/M, DR465001A/M, DR465005A/M, and DR465007A/M; AS-i Drop Connector Module.

NI / I, II / 2 / ABCDFG / T5 Ta = 80°C.

Special conditions of use:

1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Intrinsically Safe with Entity Parameters and FISCO Parameters for use in Class I, II, III, Division 1, Group A, B, C, D, E, F, and G T5 Ta = 80°C, Nonincendive with nonincendive field wiring parameters for use in Class I, Division 2, Group A, B, C, D T5 Ta = 80°C, Suitable for Class II, III, Division 2, Group F and G T5 Ta = 80°C, Hazardous Indoor and Outdoor Locations.

FM Approved for:

StoneL

Fergus Falls, MN 56537

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

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3615	1989
Class 3810	2005
ANSI/NEMA 250	1991

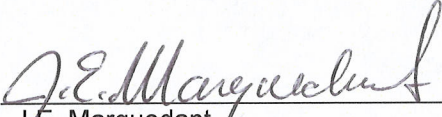
Original Project ID: 3024947

Approval Granted: October 21, 2005

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
060227	March 22, 2006		
060404	May 15, 2006		
110817	October 31, 2012		

FM Approvals LLC



 J.E. Marquedant
 Group Manager, Electrical

31 October 2012

 Date