



FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**F3a-b. Megablock Series Fieldbus Connection Blocks.**

NI/I/2/ABCD/T4 Ta = -50°C to 70°C – 502-484: NIFW

I/2/IIC/T4 Ta = -50°C to 70°C – 502-484: NIFW

a = Number of Spurs = 04, 08, 12 or 16.

b = Option for a built-in terminator = -T or blank.

Nonincendive Field Wiring Parameters, Groups C and D (IIB, IIA) only:

$V_{\max} = 32V$ ,  $C_i = 0$ ,  $L_i = 0$

$V_{oc} = 32V$ ,  $I_o = 56mA$ ,  $P_o = 1.792W$ ,  $C_a = 80nF$ ,  $L_a = 0.26mH$

Nonincendive Field Wiring Parameters, Groups A and B (IIC):

$V_{\max} = 24V$ ,  $C_i = 0$ ,  $L_i = 0$

$V_{oc} = 24V$ ,  $I_o = 56mA$ ,  $P_o = 1.344W$ ,  $C_a = 80nF$ ,  $L_a = 0.15mH$

**Special Conditions of Use:**

1. The apparatus is to be housed in an IP54 enclosure.
2. The apparatus shall be installed in an enclosure meeting the requirements of ANSI/ISA 61010-1 (82.02.01).
3. The apparatus shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.



## Equipment Ratings:

Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; Temperature Class T4 Ta = -50°C to 70°C; with Nonincendive Field Wiring; Nonincendive for use in Class I, Zone 2 AEx IIC T4 Ta = -50°C to 70°C; with Nonincendive Field Wiring for Hazardous (Classified) Locations.

## FM Approved for:

Relcom Inc  
Forest Grove, OR United States

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

Class 3600	2011
Class 3611	2004
Class 3810	2005
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-15	2009

Original Project ID: 3041271

Approval Granted: September 15, 2011

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
130617	June 25, 2013		

FM Approvals LLC

  
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J.E. Marquedant  
Group Manager, Electrical

25 June 2013  
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Date