



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:

F301a. Megablock Series Fieldbus Connection Blocks.

NI/I/2/ABCD/T4 Ta = -50°C to 85°C – 502-484: NIFW

I/2/IIC/T4 Ta = -50°C to 85°C – 502-484: NIFW

a = Option pluggable spring clamp connector = -PC or blank.

Nonincendive Field Wiring Parameters:

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

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.

F3a-b-c. 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.

c = Option for pluggable spring clamp connectors = -PC or blank.

d = Option for pluggable displacement connectors = -PD or blank.

The -T is an option for built-on (on the circuit board) terminator. This option is available with -PD option.

Nonincendive Field Wiring Parameters:

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



Member of the FM Global Group

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 for the F304, F308, F312 and F316 and Ta = -50°C to 85°C for the F301; with NIFW; Nonincendive for use in Class I, Zone 2 AEx IIC T4 Ta = -50°C to 70°C for the F304, F308, F312 and F316 and Ta = -50°C to 85°C for the F301; with NIFW for Hazardous (Classified) Locations.

FM Approved for:

Relcom Inc
Forest Grove, OR United States



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:

Class 3600	1998
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
---------------	------	---------------	------

FM Approvals LLC

J. E. Marquedant
Group Manager

15 September 2011

Date