

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM22US0010X
3. **Equipment:** Model F802 Field Bus Supply Module and Carriers
(Type Reference and Name)
4. **Name of Listing Company:** Relcom Inc.
5. **Address of Listing Company:** 2221 Yew St
Forest Grove, OR 97116
USA
6. The examination and test results are recorded in confidential report number:

3033657 dated 30th December 2008
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3611:2021, FM Class 3810:2005,
ANSI/UL-121201:2017, ANSI/UL 61010:2004
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**

Nonincendive for use in Class I, Division 2, Groups A, B, C, and D; Temperature Class T4 Tamb = -40°C to +65°C; Temperature Class T4 Tamb = -40°C to +50°C (>60% Load); Hazardous (Classified) Locations.

Class I, Zone 2, Group IIC T4 Tamb = -40°C to +65°C; T4 Tamb = -40°C to +50°C (>60% Load); Hazardous (Classified) Locations.

Certificate issued by:



J.E. Marquedant
VP, Manager, Electrical Systems

15 February 2022

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC, 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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SCHEDULE



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11. The marking of the equipment shall include:

CL I DIV 2, GPS ABCD; T4

CL I, ZN 2, GP IIC; T4

-40°C to < Ta < +65°C

-40°C to < Ta < +50°C (>60% Load)

12. **Description of Equipment:**

The F802 is an eight segment Fieldbus Power Supply Module. The F802 is a tool-secured plug-in module that is used in conjunction with a DIN-rail-mountable Carrier. The carrier allows the user to make wire terminations to feed power to the F802 and to provide power for the eight Fieldbus segments. The Carrier system may be configured with two F802 modules to provide redundant power to the eight Fieldbus segments. In less critical applications, a single F802 module may be used. In this case a Dummy Module is required in the unpopulated F802 location to complete the alarm circuit. The alarm circuit provides warning in the event of a Power-Conditioning Module failure, input power supply failure or a segment below normal output voltage.

The F802 operates on an input voltage of 19.2 to 30 Vdc and draws a maximum input current (per segment) of 750 mA at 24 Vdc with a 500 mA load.

Maximum specified operating ambient temperature for the equipment is 65°C (with ≤60% load).

The equipment is provided without a final enclosure. Use in a hazardous (classified) location requires that the equipment be installed within an enclosure capable of accepting one of the Class I, Division 2 or Class I, Zone 2 wiring methods specified in the National Electrical Code (ANSI NFPA 70).

F802. Fieldbus Supply Module and Carriers.

Fieldbus Power Supply Module:
F802

Fieldbus Supply Module and Carriers Combination Part Numbers:

F822-2-PS, F822-2-PS-NR, F822-2-PC, F822-2-PC-NR, F880-2-PS, F880-2-PS-NR, F880-2-PC, F880-2-PC-NR, F880-2-LS, F880-2-LS-NR, F880-2-LC, F880-2-LC-NR, F880-2-RS, F880-2-RS-NR, F880-2-RC, F880-2-RC-NR, F882-2-PS, F882-2-PS-NR, F882-2-PC, F882-2-PC-NR, F890-2-PS, F890-2-PC, F890-2-PS-NR, F890-2-PC-NR, F892-2-PS, F892-2-PC, F892-2-PS-NR, F892-2-PC-NR

13. **Specific Conditions of Use:**

1. The F802 Fieldbus Supply Module and Carriers shall be installed in compliance with the enclosure, mounting, spacing, and segregation requirements of the ultimate application, including a tool removable cover.
2. When installed in hazardous (classified) locations, a warning label must be prominently affixed near the unit(s) which warns that the cables or Fieldbus Supply Modules must not be removed or inserted unless the area is known to be non-hazardous.

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14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
15 th February 2022	<u>Supplement 2:</u> Report Reference: – RR231467 Dated 15 th February 2022. Description of the Change: Re-examination to FM3600 and FM3611. Update to connector part number to allow for various colors.

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