

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM16US0445X
3. **Equipment:** F809F-Plus. Fieldbus Diagnostic Module.
(Type Reference and Name)
4. **Name of Listing Company:** Eaton Electric Limited
5. **Address of Listing Company:** Great Marlings, Butterfield
Luton, Bedfordshire, LUS 8DL
United Kingdom
6. The examination and test results are recorded in confidential report number:

3037426 dated 25th June 2010
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 3611:2016, FM Class 3810:2018,
ANSI/ISA 60079-0:2009, ANSI/ISA 60079-15:2009
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:**

Class I, Division 2, Groups A, B, C, and D, temperature code T4 at -40°C to 70°C;
Non-sparking AEx nA for Zone 2 Group IIC, T4, Ta = -40°C to 70°C for hazardous (classified) locations.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

31 August 2020

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:

F809F-Plus. Fieldbus Diagnostic Module.

Class I, Division 2, Group ABCB T4 Ta = -40°C to 70°C;
Class I, Zone 2, AEx nA IIC T4 Ta = -40°C to 70°C

12. **Description of Equipment:**

General – The F809F-Plus Fieldbus Diagnostic Module is available for use with the 918X Series, F800 Series and some F600 Series Fieldbus power supplies, plugs into a 918X, F8XX or F6X8 Series power supply carrier, or an F8x8 diagnostic module carrier, and monitors the performance of each of eight Fieldbus segments. .

Construction - The construction of F809F-PLUS Fieldbus Diagnostic Modules require mounting within a tool secured enclosure.

Ratings - F809F-PLUS Fieldbus Diagnostic Module is rated for use in a temperature range of -40°C to +70°C, require a supply voltage in the range of 9-32Vdc, and draw an approximately 15mA from the communicating fieldbus segment.

13. **Specific Conditions of Use:**

- 1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70).
- 2) In Class I, Zone 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70) and having a minimum ingress protection rating of IP54.
- 3) The installer shall ensure that the insulation of field wiring is rated for the temperatures present within the cabinet/enclosure in which the equipment is installed.

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:

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Date	Description
25 th June 2010	Original Issue.
30 th December 2016	<u>Supplement 2:</u> Report Reference: – RR207226 dated 30 th December 2016. Description of the Change: Company name change. Reformat of Certificate.
31 st August 2020	<u>Supplement 3:</u> Report Reference: – RR224479 dated 31 st August 2020. Description of the Change: De-listing of Model F809F. Reassessment of F809F-Plus to FM Class 3611:2016 Update to documentation.

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