

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**

2. **Certificate No:** FM16US0004X
3. **Equipment:** Gecma Power Supply Module
(Type Reference and Name)

4. **Name of Listing Company:** Eaton Electric Limited

5. **Address of Listing Company:** Great Marlings, Butterfield
Luton, Bedfordshire,
UK
LU2 8DL

6. The examination and test results are recorded in confidential report number:
3054963 dated 2nd March 2017

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:
FM Class 3600:2011, FM Class 3810:2005,
ANSI/ISA 60079-0:2013, ANSI/ISA 60079-7:2013, ANSI/ISA 60079-18:2015,
and ANSI/IEC 60529:2004

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.

Certificate issued by:



J.E. Marquedant
Manager, Electrical Systems

2 March 2017

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



US Certificate Of Conformity No: FM16US0004X

10. Equipment Ratings:

Increased Safety, and Encapsulated for Class I, Zone 1, AEx e mb IIC T4 Gb hazardous (classified) locations, indoors and outdoors (IP54) with an ambient temperature rating of -30°C to +60°C.

11. The marking of the equipment shall include:

Class I, Zone 1 AEx e mb IIC T4 Gb Ta = -30 °C to +60 °C

12. **Description of Equipment:**

General - The Gecma Power Supply Module is an AC or DC supplied Power supply which provides a 22 V DC, 4 A output.

Construction – The Gecma Power Supply Module is located within an aluminum enclosure.

Ratings - The Gecma Power Suply Modules operate at either;
a.c. version: 100-230 Vac, 50/60 Hz, 1.2 A; or
d.c. version: 18-36 Vdc, 5.5 A, 100 W

The Power Supply Module is rated for use in an ambient temperature range of -30 °C to +60 °C.

Listing

Gecma Power Supply Module (AC or DC versions)

I / 1 / AEx e mb / IIC / T4 Gb IP54 Ta = -30 °C to +60 °C

13. **Specific Conditions of Use:**

1. *The enclosure is manufactured from aluminium. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation.*

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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SCHEDULE



Member of the FM Global Group

US Certificate Of Conformity No: FM16US0004X

Date	Description
2 nd March 2017	Original Issue.

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