

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM16US0466X
3. **Equipment:** MTL4850 32-Channel HART Multiplexer
(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:

3032195C dated 21st October 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 3600:2011, FM Class 3611:2004, FM Class 3810:2005
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, indoor Hazardous (Classified) Locations. Temperature Classification T4. Ambient temperature range -40°C to +70°C.
11. The marking of the equipment shall include:

Cl I, Div. 2, Grps A, B, C, D T4 Ta = -40°C to + 70°C

Certificate issued by:



J. E. Marquedant
Manager, Electrical Systems

30 December 2016

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
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



Member of the FM Global Group

US Certificate Of Conformity No: FM16US0466X

12. Description of Equipment:

General - The MTL4850 32 Channel HART Multiplexer enables a user to calibrate, configure and maintain an entire network of 'smart' field devices from a single workstation. It provides the multiplexing for up to 32 Individual field devices, making each one addressable and identifiable. The multiplexer mounts directly onto a baseplate which provides the connection via the Field Termination assemblies to the Analogue Input or output devices.

Construction - The MTL 4850 is located within a non-metallic housing, which is not intended to provide protection against the ingress of liquids or dust. The device is intended to be located within an additional housing, which provides this protection.

Ratings - The maximum input voltage is specified at 35Vdc and the maximum normal operation current is 70mA. The temperature range is -40°C to +70°C.

13. Specific Conditions of Use:

1. The MTL4850 32-Channel HART® Multiplexer shall be mounted within a tool-secured enclosure installed in accordance with the enclosure, mounting, spacing, and segregation requirements of the ultimate application 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 Article 500.

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
21 st October 2008	Original Issue.
30 th December 2016	<u>Supplement 1:</u> Report Reference: – RR207226 dated 30 th December 2016 Description of the Change: Company name change, reformat of Certificate, and standard update.

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