



1

ATEX

II 3 G

Certificate

2 **Document No. MTL13ATEX7700X Issue No. 1**

3 Certificate of Conformity for Group II Category 3 G equipment in accordance with Directive 94/9/EC.

4 Certificate relating to the following zener barriers:-

MTL7706+, 7707+, 7707P+, 7710+, 7715+, 7715P+, 7722+, 7728-, 7728+, 7728ac, 7728P+, 7729P+, 7741, 7742, 7743, 7744, 7745, 7755ac, 7756ac, 7758-, 7758+, 7760ac, 7761ac, 7761Pac, 7764+, 7764ac, 7765ac, 7766ac, 7766Pac, 7767+, 7778ac, 7779+, 7787-, 7787+, 7787P+, 7788+, 7788R+, 7789+, 7796-, 7796+, 7798

5 This equipment fulfils all the requirements for Group II, Category 3 G equipment in accordance with Directive 94/9/EC when installed according to the Special Conditions of Safe Use listed below. The design complies with EN 60079-0:2012 and EN 60079-15:2010. The analysis is fully documented by MTL in Technical File TF_7706 for the MTL7706+ and TF_7700 for all other zener barriers listed on this certificate.

6 The equipment has intrinsically safe connections, and has been separately assessed as associated equipment by Baseefa, which is not covered by this certificate. All other connections of this equipment are non-sparking in normal operation. The equipment in normal operation is incapable of producing arcs, sparks or hot surfaces which may cause ignition and is designed to be installed and used in accordance with EN 60079-14:2008 incorporating corrigendum October 2011. Note Special Conditions of Safe Use below.

7 The required marking of the apparatus is as specified in the Technical File referenced above and includes the distinctive community mark:



8 In addition, the marking will include the CENELEC codes: -

For the MTL7741, MTL7742, MTL7743, MTL7744 and MTL7745:

Ex nA nC IIC T4 Gc

For the MTL7707P+ and MTL7729P+:

Ex nA IIB T4 Gc

For all other zener barriers listed in this certificate:

Ex nA IIC T4 Gc

The nA applies to the non-sparking connections, and also signifies that the equipment is incapable in normal operation of producing sparks or hot surfaces that may cause ignition. The nC applies to the relays mounted within the equipment, which have been determined to be sealed devices.

9 The ambient temperature limitation for the MTL7755ac and MTL7756ac is -20°C to +65°C, and for all other zener barriers listed in this certificate is -20°C to +60°C.

10 Manufacture is controlled by an ISO9001:2008 approved system.

11 The apparatus meets the ATEX Directive requirements for electromagnetic radiation by complying with the EMC Directive 2004/108/EC.

12 The standards published in the Official Journal of the European Commission with reference to the Low Voltage Directive 2006/95/EC have been used to fulfil the requirements of 1.2.7 of Annex II of directive 94/9/EC to avoid electrical risks.

13 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to Special Conditions of Safe Use specified elsewhere in this certificate.

14 Special Conditions of Safe Use

- a. When used in Zone 2, the equipment must be installed in an enclosure or environment that provides a degree of protection of at least IP 54 and meets the relevant material and environmental requirements of EN 60079-0:2012 and EN 60079-15:2010.
- b. All connections to the equipment (excluding intrinsically safe connections which are covered by separate ATEX approval) must not be inserted or removed unless the area in which the equipment is installed is known to be non-hazardous, or the circuit to which it is connected has been de-energised.
- c. The power for this equipment must be derived from a regulated power supply complying with the requirements of European Community Directives.
- d. The relay contacts of MTL7741, MTL7742, MTL7743, MTL7744 and MTL7745 must switch no more than 60Vac (75Vdc) when in a Zone 2 environment.

Approved on behalf of MTL:



Stewart Parfitt
Engineering Director

18 April 2013

Certificate issued by:

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