

# Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **45 741 - 02 HH**

Company **Thorn Security Limited**  
**Hanworth Road**  
**Sunbury-on-Thames, Middlesex TW16 5DB, UNITED KINGDOM**

Product Description **Tyco MX Technology**  
**Addressable Fire Detectors**

Type **811H, 801HEX, 811PH, 801PHEX, 811CH, 801CHEX, 811F, 811FEX, 811PC,**  
**5B5", 5BI5", MUB, MUBEX**

Environmental Category **F, EMC1**

Technical Data /  
Range of Application

- 811H/801HEX: Addressable heat detector can be set to class A1R, A2R or CR.
- 811PH/801PHEX: Addressable optical smoke and heat detector configured as heat enhanced optical or as optical sensor.
- 811CH/801CHEX: Addressable carbon monoxid and heat detector configured as compensated carbon monoxid combined with heat (A1R).
- 811F/811FEX: Addressable flame detector sensing infra-red radiation and flicker frequencies.
- 811PC: Addressable combined optical smoke, heat and carbon monoxid fire detector.
- Universal Base: 5B5" /5BI5"; MUB / MUBEX
- 801IB / EXI800: Isolator Base / Interface Module will isolate a short circuit.
- MP69/SMP69: Duct probe units for air conditioning supply / exhaust ducts.

**Ex-Certificate:**

- 801Hex /- PHEX/- CHEX/ MUBEX : EEx ia IIC T4, tested and certify by EECS BAS01ATEX1394X
- 811FEX: EEx ia IIC T5 (a.t. 40C°), tested and certify by Baseefa 03ATEX0422X

Test Standard **Guidelines for the Performance of Type Approvals, Edition 2003**

Documents **BRE TE 93(239, 328, 552, 238, 553, 465, 829), 208642, 21(2724, 2882, 8277,9247, 9248, 9249); 210222, BRE AR 242802-(2,4,5), 255603-5**  
**SWQ acc. to requirement class 3 dated 2002-11-27, Documents and Drawings according to submitted file.**

Remarks **None**

Valid until **2018-04-14**

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File No. **I.D.09**

Hamburg, **2013-04-15**

Type Approval Symbol



**Germanischer Lloyd**

  
Marco Rinkel

  
Didier Girardin

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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SW versions: 20.1: VDs Report: 111009-AU01-SW01, tib 917 /v20.1

**Reference to further certificates:**

MED 1000025/0038/yy [(MED) 96/98/EC]:811H, 811CH; 811PH; 811F, 811FEx;  
811PC; Bases used for tests: MUB, MUBEx, 5BI, 5B

VDS: G 208113/801HEX;; G 208128/801CHEX; G 208108/801PHEX

LPCB: 801 CH/ No. 681a-(cl-1) ; 801 PH/No. 681b-(cl-1) ; 801PC/811PC/681q-(cl-1) ; 801H/No. 681c-(cl-1);  
801F/801 Fex/No. 681r-(cl-1)

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