

LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2019

Issue by: UK&I Technical Support Office

Issued to: Tyco Fire & Security GmbH

For: CONVENTIONAL RATE-OF-RISE HEAT DETECTOR

Type: MD601Ex and MD611Ex With MUBEx mounting base

This certificate is a renewal of certificate no. 99/00156(E5).

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System 2019 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

LPC letter	01.12.1997
Thorn letter	25.07.2002
Thorn letter	31.10.2002
Thorn email	26.11.2002
Tyco Fire and Security (page 45)	Undated

Data Sheets

M600 series (01B-04-D5, issue 02)	04.1999
M600 series (01B-04-D2, issue 002)	08.1996
M600 series(01B-04-D1, issue 001)	01.1996

Drawings

(CL) EECS 517-050-610 (listed on DAD of Certificate 97/00198(E1))	15.02.2002
EECS 120-028-212 (listed on DAD of Certificate 97/00198(E1))	15.02.2002
EECS 517-050-610 (listed on DAD of Certificate 97/00198(E1))	14.02.2002
EECS 120-347-021 (listed on DAD of Certificate 97/00198(E1))	14.02.2002
EECS 125.585.804 (issue 2, sheet 2 of 2)	07.09.2001
EECS 125.585.804/807 (issue 2, sheet 1 of 1)	27.07.2001
EECS 125.585.807 (issue 2, sheet 1 of 1)	07.09.2001
125-165-392 (issue 2, sheet 1 of 7)	21.08.2001
125-165-392 (issue 2, sheet 2 of 7)	20.08.2001
125-165-392 (issue 2, sheet 3 of 7)	20.08.2001
125-165-392 (issue 2, sheet 4 of 7)	20.08.2001
516-052-051/041 (issue 2, sheet 1 of 2)	24.08.2001
516-052-051.Y (issue 1, sheet 2 of 2)	06.09.2001
516-052-041.Y (issue 1, sheet 2 of 2)	06.09.2001
EECS 125.585.802 (issue 2, sheet 1 of 1)	25.09.2001
EECS 125.585.802 (issue 2, sheet 2 of 2)	25.09.2001
EECS 125.585.806 (issue 2, sheet 1 of 1)	25.09.2001
EECS 125.585.806 (issue 2, sheet 2 of 2)	25.09.2001

125-165-390 (issue 2, sheet 1 of 7)	21.08.2001
125-165-390 (issue 2, sheet 4 of 7)	20.08.2001
125-165-390 (issue 2, sheet 3 of 7)	20.08.2001
125-165-390 (issue 2, sheet 2 of 7)	20.08.2001
516-061-001.Y / 516-058-002.Y (issue 2, sheet 1 of 2)	06.09.2001
516-061-001.Y (issue 1, sheet 2 of 2)	06.09.2001
516-058-002.Y (issue 1, sheet 2 of 2)	06.09.2001
120-028-212 (issue 1, sheet 2 of 2)	29.08.2001
517-050-610 (issue 1, sheet 1 of 1)	16.07.2001
120-028-212 (issue 1, sheet 1 of 2)	29.08.2001
120-036-784 (issue 1, sheet 1 of 2)	29.08.2001
120-036-784 (issue 1, sheet 2 of 2)	29.08.2001
C125.585.250 (issue 1)	17.05.1995
516-052-001/002/013/031 (sheet 1 of 2, issue 11)	09.06.1998
516-052-001 (sheet 2 of 2, issue 1)	06.02.1998
125-585-250 (issue 2)	20.11.1995

Part Lists

CL516-0952-001.T (issue 10)	29.07.1998
CL516-052-051.Y (issue 2, sheet 1 of 1)	24.08.2001
CL516-052-041.Y (issue 2, sheet 1 of 1)	06.09.2001
CL516-061-001.Y (issue 2, 3 sheets)	24.08.2001
CL516-058-002.Y (issue 2, 3 sheets)	24.08.2001

TEST REPORTS

BRE test report 212387	28 Jan 2005
BRE test report 212388	27 Jan 2005
BRE test report 212367	03 Oct 2003
TUV SUD ISO 9001:2009 certificate	24 Oct 2013
Thorn Certificate of Conformity (EMC 1010)	04.10.1995
Tyco Certificate of Conformity (EMC 1010, Addendum 3)	13.08.1998
Tyco Certificate of Conformity (EMC 1010, Addendum 5)	20.12.2000
EECS Certificate BAS01ATEX1134X	10.10.2001
EECS Certificate BAS01ATEX1134X/1	05.03.2002
BASEEFA No. 00©0997	27.09.2001
BSI Quality Assurance Certification No. FM 638493	2018.06.28
LPC TE 86929	12.09.1996
LPC TE 90582	15.04.1999
LPC TE 90582(6 x corrected pages)	15.04.1999
BRE EC Certificate 0832-CPD-0243	17.12.2007
BRE EC Certificate 0832-CPD-0245	17.12.2007
Production Facility Inspection Report No. PRA1400766/4	16 Sep 2014

Note: This certificate is based on tests carried out with the detector connected to an external MINERVA 16E Fire Controller via a DM 520 line unit.

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Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.