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.

36 753 - 11 HH

Company

LAMTEC Mess-und Regeltechnik für Feuerungen GmbH & Co. KG Wiesenstr. 6 (Gewerbegebiet Impex) 69190 Walldorf, GERMANY

Product Description

Burner controller with fuel air ratio control system and leakage system

Combustion Management system

Type

ETAMATIC, ETAMATIC S, ETAMATIC OEM, ETAMATIC OEM/S, FA1, FMS

Environmental Category

C, EMC2

Technical Data /
Range of Application

Suitable for control of burners and combustion systems for fluid, gaseous, liquid or solid fuels in hot air generators, steam boilers, industrial combustions and similar applications.

Power Supply:

115V/230V

Degree of Protection:

IP 40, with sealing IP54 to front

Operation Mode:

Permanent Operation

Software Version: 5.x00

Article Number:663R1..., 66301..., 670R0..., 664F00..., 665F00...

Test Standard

Guidelines for the Performance of Type Approvals Chapter 2, Edition 2003

Regulations for the Use of Computers and Computer Systems

Documents

CF11830408_E520(E), CF11850511_SIL_BST, CF11830511_SIL_BST, BV112969, BV112969a, BV113240, No. 192/11, Env. test report Lamtec dated 26.05.201, EMVP971, N°5128-90160, CE-0085 AU 0207, Report P062233, 1213-11-EE-

PB001/002/003/003

Remarks

see additional standards

Valid until

2017-05-01

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Type Approval Symbol

GL



File No. I.A.03

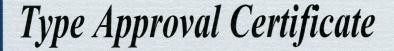
Hamburg, 2012-05-02

Germanischer Lloyd

Dr. Joannis Papanuskas

Didier Girardin

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





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FMS, ETAMATIC S, Etamatic OEM, Etamatic/S OEM additional test standards:

EC Type-examination according directive 97/23/EC according TÜV SÜD approvals:

Certificates: BAF-MUC 04 02 17360843 001 (FMS),

BAF-MUC 04 02 17360843 003 (ETAMATIC, Etamatic S, Etamatic OEM, Etamatic/S OEM):

DIN EN 230:2005, DIN EN 298:2004, DIN EN 60730-2-5:2003, DIN EN 1643:2003, DIN EN 50156-1:2005, 10.5, EN 676:2003-11, EN 267:1999-11 (as far as relevant),

DIN EN 12067-2, Article 3 paragraph 1.4 of 97/23/EC of 29.05.1997; Article 3 of 2009/142/EC

of 30.11.2009, DIN EN 746-2:1997-05

EC Gas Appliances Directive (2009/142/EC) test basis DIN EN 298 according DVGW Cert GMBH approvals: EC Type examination certificate CE-0085AU0207, CE-0085AS0254

SIL 3 and PI e regarding CF 11830511 resp. CF 11850511 fulfills the applicable technical requirements of DIN EN 61508-2, -3 Mode of operation: hight demand mode

DIN EN 61511-1

(suitable to be used as single device for SIF)

DIN EN ISO 13849-1 (suitable to be used as single device for SRCF)

FA1additional test standards:

EC Type-examination according directive 97/23/EC according TÜV SÜD approvals:

Certificate: Z-IS-TAF-MUC-08-02-17360843-005-Rev.01(FA1):

DIN EN 298:2004, DIN EN 1643:2001, DIN EN 230:2005, DIN EN 60730-2-5:2003;

DIN EN 50156-1:2005, 10.5. (Annex I)

Reports: C-F 1317-00/06 v. 2006-04-26, C-F 1185-04/08 v. 2008-02-28 C-F 1317-01/11 v. 2011-01-31, C-F 1317-02/11 v. 2011-06-06

FA1 burner control system is suitable to be used for safety shut-down of the entire furel supply of berners or combustion systems for permanent operation up to safety integrity level SIL3 according DIN EN 50156-1, clause 10.5.5.

General: Requirements for installaion and commissioning according listed certificated shall be considered.

Valid until

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2017-05-01

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I.A.03

Hamburg, 2012-05-02

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