

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**

2. **Certificate No:** FM18US0061X

3. **Equipment:** SITRANS F M MAG 5000 (7ME6910)  
**(Type Reference and Name)** SITRANS F M MAG 6000 (7ME6920)  
SITRANS FM MAG 6000 I (7ME6930)  
**Compact Version:**  
SITRANS F M MAG 3100 with SITRANS F M MAG 6000 I (7ME6310)

4. **Name of Listing Company:** Siemens AG  
5. **Address of Listing Company:** Process Industries and Drives, Process Automation  
DE-76181 Karlsruhe, Germany

6. The examination and test results are recorded in confidential report number:  
3018517 dated 23<sup>rd</sup> February 2004


7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3611:2004, FM Class 3810:2005, ANSI/NEMA 250:1991

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.

**Certificate issued by:**

  
\_\_\_\_\_  
J.E. Marquedant  
VP, Manager, Electrical Systems

29 May 2018  
\_\_\_\_\_  
Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://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  
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# SCHEDULE



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10. Equipment Ratings:

Nonincendive for use in Class I, Division 2, Groups A, B, C and D and Class I, Zone 2, Group IIC indoor/outdoor Type IP67 Hazardous (Classified) Locations.

11. The marking of the equipment shall include:

**SITRANS FM MAG 5000 Signal Converters\***

**SITRANS FM MAG 6000 Signal Converters\***

Class I Division 2, Groups A, B, C, D; T5 Ta = -20°C to +60°C; IP67

**SITRANS FM MAG 6000 I Signal Converters**

**SITRANS FM MAG 6000 I Signal Converters**

**Compact with MAG3100 sensor DN15-DN2000**

Class I Division 2, Groups A, B, C, D; T5 Ta = -20°C to +60°C;

Class I, Zone 2, Group IIC; T5 Ta = -20°C to +60°C; IP67/NEMA 4X

\*See Description of Equipment for IP20 Converters.

12. **Description of Equipment:**

**General** - The Signal Converter Models MAG 5000, MAG 6000, and MAG 6000 I are intended for use with Approved flow sensors. The Signal Converters provide an integral LCD display as well as digital, analog, pulse and relay outputs which are a function of the signal received from the magnetic flow tube.

**Construction** - The Signal Converter Models MAG 5000, MAG 6000 enclosures are constructed of polymeric or epoxy-painted cast aluminium. The Model MAG 6000 I is constructed of diecast aluminium.

**Ratings** - The Signal Converter Models MAG 5000, MAG 6000 operate on supply voltages of 115-230VAC, 9VA, 50/60Hz or 12-24V AC/DC. The Model MAG 6000 I operates on supply voltages of 18-90Vdc or 115-230 VAC 9VA. These signal converters operate over an ambient temperature range of -20°C to +60°C.

**SITRANS FM MAG 5000 Signal Converters**

**SITRANS FM MAG 6000 Signal Converters**

Signal Converter Type	Enclosure	Code no.	Supply
SITRANS FM MAG 5000	IP67	7ME6910-1AA10-1AA0	115/230VAC
SITRANS FM MAG 5000	IP67	7ME6910-1AA30-1AA0	11-24V AC/DC
SITRANS FM MAG 6000	IP67	7ME6920-1AA10-1AA0	115/230VAC
SITRANS FM MAG 6000	IP67	7ME6920-1AA30-1AA0	11-24V AC/DC
SITRANS FM MAG 5000 Blind	IP67	7ME6910-1AA10-0AA0	115/230VAC
SITRANS FM MAG 5000 Blind	IP67	7ME6910-1AA30-0AA0	11-24V AC/DC
SITRANS FM MAG 6000 Blind	IP67	7ME6920-1AA10-0AA0	115/230VAC
SITRANS FM MAG 6000 Blind	IP67	7ME6920-1AA30-0AA0	11-24V AC/DC
SITRANS FM MAG 6000 CT	IP67	7ME6920-1AA10-1AB0	115/230VAC
SITRANS FM MAG 6000 CT	IP67	7ME6920-1AA30-1AB0	11-24V AC/DC
SITRANS FM MAG 5000	IP20	7ME6910-2CA10-1AA0	115/230VAC
SITRANS FM MAG 5000	IP20	7ME6910-2CA30-1AA0	11-24V AC/DC

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SITRANS FM MAG 6000	IP20	7ME6920-2CA10-1AA0	115/230VAC
SITRANS FM MAG 6000	IP20	7ME6920-2CA30-1AA0	11-24V AC/DC
SITRANS FM MAG 5000 CT	IP67	7ME6910-1AA10-1AB0	115/230VAC
SITRANS FM MAG 5000 CT	IP67	7ME6910-1AA30-1AB0	11-24V AC/DC
SITRANS FM MAG 6000 CT	IP67	FDK:083F5009	115/230VAC
SITRANS FM MAG 6000 CT	IP67	FDK:083F5010	11/24V AC/DC
SITRANS FM MAG 5000 HART	IP67	7ME6910-1AA10-1BA0	115/230VAC

## **SITRANS FM MAG 6000 I Signal Converters**

<b>Signal Converter Type</b>	<b>Enclosure</b>	<b>Code no.</b>	<b>Supply</b>
SITRANS FM MAG 6000 I	IP67/ NEMA 4X	7ME6930-2BA20-1AA0	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I + HART	IP67/ NEMA 4X	7ME6930-2BA20-1BA0	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I + PROFIBUS	IP67/ NEMA 4X	7ME6930-2BA20-1FA0	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I + ModBus	IP67/ NEMA 4X	7ME6930-2BA20-1EA0	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I + PROFIBUS DP	IP67/ NEMA 4X	7ME6930-2BA20-1GA0	18-90VDC/115/230VAC

## **Compact with MAG3100 sensor DN15-DN2000**

SITRANS FM MAG 6000 I	IP67/ NEMA 4X	7ME6310-XXXX-XCA-X	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I+HART	IP67/ NEMA 4X	7ME6310-XXXX-XCB-X	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I+PROF PA	IP67/ NEMA 4X	7ME6310-XXXX-XCC-X	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I+PROF DP	IP67/ NEMA 4X	7ME6310-XXXX-XCD-X	18-90VDC/115/230VAC
SITRANS FM MAG 6000 I+ModBus	IP67/ NEMA 4X	7ME6310-XXXX-XCE-X	18-90VDC/115/230VAC

X indicates the MAG3100 variant

### 13. **Specific Conditions of Use:**

#### **SITRANS FM MAG 5000 Signal Converters**

#### **SITRANS FM MAG 6000 Signal Converters**

1. The equipment (19' version) shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

### 14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

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# SCHEDULE



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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
23 <sup>rd</sup> February 2004	Original Issue.
29 <sup>th</sup> May 2018	<u>Supplement 7:</u> Description of the Change: Report Reference: – RR212485 dated 29 <sup>th</sup> May 2018 Transfer from Siemens A/S Flow Instruments. Restructured certificate to new format, updated Standards FM3600 from 1998, FM3611 from 1999, and FM3810 from Supp. #1 1995.

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