



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX IMQ 16.0014X	Issue No: 0	Certificate history: Issue No. 0 (2016-07-29)
Status:	Current	Page 1 of 3	
Date of Issue:	2016-07-29		
Applicant:	AECO S.r.l. via G. Leopardi, 5 I-20065 Inzago (MI) Italy		
Equipment:	Proximity Magnetic Sensors serie SMC-12 ***** AGD*		
Optional accessory:	<i>Encapsulated reed contact type</i>		
Type of Protection:	Ex ma; Ex mb		
Marking:	Ex ma IIC T6 Ga Ex ma IIIC T85°C Da Ex mb IIC T6 Gb Ex mb IIIC T85°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Mr. Mauro CASARI

Position:

IMQ ExCB Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

Istituto Italiano del Marchio di Qualità S.p.A
Via Quintiliano 43
20138 Milano
Italy





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Manufacturer: **AECO S.r.l.**
via G. Leopardi, 5
I-20065 Inzago (MI)
Italy

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-18 : 2014 Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
Edition:4.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[IT/IMQ/ExTR16.0014/00](#)

Quality Assessment Report:

[IT/CES/QAR13.0005/00](#)
[IT/CES/QAR13.0005/03](#)

[IT/CES/QAR13.0005/01](#)

[IT/CES/QAR13.0005/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Proximity Magnetic Sensors encapsulated reed contact type forming a homogeneous series named SMC-12 ***** AGD*.

The structure of these parameters is set out in Annex.

Suitable for ambient temperature -25 ... 70 °C.

Ratings: Un=100/200/230 Vac; In=0.5/1/1.5 A

CONDITIONS OF CERTIFICATION: YES as shown below:

- User shall protect the sensors by fuses with rupture capacity of 1500 A, according to relevant product instruction concerning installation.
- User shall protect the sensors without closing cap from exposition to light.