



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 DEK 16.0016X Issue No: 0 Certificate history:
Issue No. 0 (2017-02-01)

Status: **Current** Page 1 of 3

Date of Issue: **2017-02-01**

Applicant: **G.M. International S.r.l.**
Via G. Mameli 53/55
20852 Villasanta (MB)
Italy


Equipment: **Surge Arrestor, Model D9324S**
Optional accessory:

Type of Protection: **Ex d, Ex i, Ex t**

Marking: Ex d IIC T4...T6 Gb
Ex ia IIC T4...T6 Ga
Ex tb IIIC T85 °C...T135 °C Db
Ex ia IIIC T85 °C...T135 °C Da

Approved for issue on behalf of the IECEx Certification Body: R. Schuller

Position: Certification Manager

Signature: 
(for printed version)

Date: 2017-02-01

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](http://www.iecex.com).

Certificate issued by:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands





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Manufacturer: **G.M. International S.r.l.**
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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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*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:

[NL/DEK/ExTR16.0025/00](#)

Quality Assessment Report:

[NO/DNV/QAR07.0005/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Surge Arrester, Model D9324S protect measuring devices against surge voltages. The surge protection device is provided with a 1/2" NPT or M20x1,5 thread, suitable for connection to an external enclosure.

The surge protection devices conform to the requirements for a FISCO Field Device.

According to the type of protection Ex d or Ex tb and the application, the surge protection device is intended to be installed according to IEC 60079-14 on a certified enclosure. The surge protection device is only Ex d or Ex tb when installed on a certified enclosure of the same type of protection.

Electrical data

Rated voltage: max. 36 Vdc

Input circuits (3 ... 5 wires):

in type of protection intrinsic safety Ex ia IIC and Ex ia IIIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

$U_i = 36$ Vdc; $I_i = 500$ mA; $P_i = 3$ W; $L_i = 1$ μ H; $C_i = 1.65$ nF
or for connection to a circuit in accordance with FISCO.

CONDITIONS OF CERTIFICATION: YES as shown below:

Thermal data

The relation between temperature class, maximum surface temperature, ambient temperature and operation temperature, is listed in the table below:

Temperature class	Max. surface temperature	Ambient temperature	Operation temperature
T6	T85 °C	-40 °C to +60 °C	-40 °C to +60 °C
T5	T100 °C	-40 °C to +75 °C	-40 °C to +75 °C
T4	T135 °C	-40 °C to +75 °C	-40 °C to +100 °C