



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 17.0006X

Issue No: 0

Certificate history:

[Issue No. 0 \(2017-06-21\)](#)

Status: **Current**

Page 1 of 3

Date of Issue: **2017-06-21**

Applicant: **G.M. International S.r.l.**
Via Mauro Macchi, 27
20124 Milano (MI)
Italy

Equipment: **DIN Rail Isolator mod. D5098S , D5098D**

Optional accessory:

Type of Protection: **Ex nA nC**

Marking:
Ex nA nC IIC T4 Gc

*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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Page 2 of 3

Manufacturer: **G.M. International S.r.l.**
Via G. Mameli, 53/55
20852 Villasanta (MB)
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 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

*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/ExTR17.0007/00](#)

Quality Assessment Report:

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



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Single (D5098S) and dual (D5098D) channel Relay Output modules, suitable for the switching of safety related circuits, providing isolation between input and output contacts.

D5098S provides one NO contact for normally energized loads and one NC contact for service purposes.

D5098D provides two NO contacts for two normally energized loads and two NC contact for service purposes.

Mounting on standard DIN-Rail or on customized Termination Boards, in Safe Area or in Zone 2.

Ratings

Un: 24 V DC ; Power dissipation at 24 V: 1,1 W (D5098S) - 1,2 W (D5098D) ;

Contact ratings: 250 V AC / DC, 5 A up to +60 °C, 2 A at +70 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment covered by this report has been evaluated as electronic low power equipment for process and control industry, which shall be used in an area of not more than pollution degree 2, as defined in IEC 60664-1. Therefore the required environmental conditions in terms of humidity and temperature shall be selected accordingly by the user.

Moreover the equipment shall be placed into an enclosure which provide a degree of protection not less than IP54, which shall meet the requirements as given in clause 7 of IEC 60079-0, and tested according to clause 21 of IEC 60079-15.

Provision shall be assured, external to the equipment by the installation location, to provide a transient protection device at a level not exceeding 120 V on input connections, and not exceeding 140% of the peak rated voltage of the equipment output connections.