



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEX IMQ 17.0006X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 3	Issue 2 (2018-03-29)
Date of Issue:	2022-05-03		Issue 1 (2017-08-02)
Applicant:	<b>G.M. International S.R.L.</b> Via Mameli 53/55 20852 Villasanta (MB) <b>Italy</b>		Issue 0 (2017-06-21)
Equipment:	<b>DIN Rail Isolator mod. D5098S , D5098D, D5098S-xxx , D5098D-xxx</b>		
Optional accessory:			
Type of Protection:	<b>Ex ec nC</b>		
Marking:	<b>Ex ec nC IIC T4 Gc</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

**Mr. Mauro CASARI**

Position:

**IMQ ExCB Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

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





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

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

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:5.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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/ExTR17.0007/03](#)

Quality Assessment Report:

[NO/DNV/QAR07.0005/10](#)



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## **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.

The "-xxx" marking can be added to the normal marking to indicate a particular version, configuration or other user requirement, for functionally diversified versions not affecting the safety requirements.

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

Rated ambient temperature range: from -40 °C to +70°C.

## **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:**

According to Annex H of the IEC 60079-7, the user shall verify the following conditions:

- pollution degree 2 (derived from IEC 60664-1 according to the Overvoltage Category);
- enclosure and connections of installation with minimum EPL Gc, with minimum degree of protection IP54
- Provision shall be assured, external to the equipment by the installation location and where not present internally, to provide a transient protection device at a level not exceeding 120 V or 140% of the peak rated voltage of the equipment (whichever is the greater) on power supply connections.



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

### Issue 1 and Issue 2

Added "D5098S-xxx" and "D5098D-xxx" model/type reference, with explanation of "-xxx" suffix (already included in IT/IMQ/ExTR17.0007/01 addendum). This change is now included in IT/IMQ/ExTR17.0007/02.

Updating of Manufacturer's document in order to include all relevant Conditions of use.

### Issue 3

Update to the current version of IEC 60079-0 Ed. 7.0, IEC 60079-7 Ed. 5.1 and IEC 60079-15 Ed. 5.0 with consequent change of the marking.