



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 13.0011X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2018-12-10)

Issue No. 1 (2016-08-04)

Date of Issue: **2018-12-10**

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Issue No. 0 (2013-12-05)

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

Equipment: **Galvanic DIN rail isolator**

Optional accessory: *Serie: D1***, D1***/B; D1***-xxx; D1***-xxx/B; PSD1***, PSD1***C*

Type of Protection: **Ex nA; Ex nAC**

Marking:

Ex nA IIC T4 Gc

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

Certificate issued by:

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

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 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/ExTR13.0011/02](#)

Quality Assessment Report:

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

[NO/DNV/QAR07.0005/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Galvanic DIN rail isolators for process control installation with analogue and digital signal, single or multiple channels and standard signal of conditioning.

Ratings and more details in Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

According to clause 13 of the IEC 60079-15, the user shall verify the following conditions:

1. pollution degree 2 (derived from IEC 60664-1 according to the Overvoltage Category);
2. enclosure and connections of installation with minimum EPL Gc, with minimum degree of protection IP54 (according IEC 60529);
3. provision against overvoltage within the 40% of the supply.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 (2016, August): Manufacturer's address change

Issue 2 (2018, December): Updating of part lists.

Annex:

[IECEX IMQ 13.0011 X issue No. 2 Annex.pdf](#)

General description

Galvanic DIN rail isolator for plant of process control with analogue and digital signal, single or multiple channels and standard signal of conditioning.

Design options and Key code

Key code:

*** = coding is detailed in the table

xxx = refers to functionally diversified versions

/B = power bus enclosure

Ratings	Supply:	12-24Vdc or 115-230 Vac
	Relais circuits :	115 – 250Vac 2 – 3 A
	Power :	up to 4,2W
	Signals :	27Vdc (analog in) 15,5Vdc (i digital in) 25,2 Vdc (analog out) 24,9 Vdc (analog)
	Temperature:	10,8Vdc (temperature)
Ambient temperature	-40°C ÷ 60°C	

Model	Marking
D1010, D1012, D1014, D1020, D1022, D1031, D1033, D1034, D1035, D1040, D1041, D1042, D1043, D1045, D1046, D1052, D1060, D1061, D1062, D1063, D1064, D1072, D1081, PSD1001, PSD1001C	Ex nA IIC T4 Gc
D1021, D1030, D1032, D1044, D1053, D1054, D1073, D1080, D1092, D1092-069, D1093, D1130, D1180	Ex nAC IIC T4 Gc

Conditions of use (X):

According clause 13 of the EN 60079-15, the user shall verify the following conditions:

- pollution degree 2 (according EN 60664-1 according to the Overvoltage Category);
- degree of protection IP54 minimum (according to EN 60529);
- provision against overvoltage within the 40% of the supply.

Manufacturer's documentation:

Instruction for use code CRR084 rev. 03, dated 2018.09.03