



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

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|---------------------|--|-------------|-----------------------------|
| Certificate No.: | IECEX IMQ 13.0011X | Page 1 of 4 | <u>Certificate history:</u> |
| Status: | Current | Issue No: 3 | Issue 2 (2018-12-10) |
| Date of Issue: | 2022-05-03 | | Issue 1 (2016-08-04) |
| Applicant: | G.M. International S.R.L. Via Mameli 53/55 20852 Villasanta (MB) Italy | | Issue 0 (2013-12-05) |
| Equipment: | Galvanic DIN rail isolator - Serie: D1***; D1***/B; D1***-xxx; D1***-xxx/B; PSD1***; PSD1***C | | |
| Optional accessory: | | | |
| Type of Protection: | Ex ec; Ex nC | | |
| Marking: | Ex ec IIC T4 Gc | | |
| | Ex ec 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:
(for printed version)

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.
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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 Mameli 53/55
20852 Villasanta (MB)
Italy

Manufacturing
locations: **G.M. International S.R.L.**
Via 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/ExTR13.0011/03](#)

Quality Assessment Report:

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



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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.

Full details in Annex.

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 (according EN 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

Manufacturer's address change

Issue 2

Updating of part lists

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.

Annex:

[IECEX IMQ 13.0011 X issue No. 3 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 Relais circuits : 115 – 250Vac 2 – 3 A Power : up to 4,2W Signals : 27Vdc (analog in) 15,5Vdc (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 ec IIC T4 Gc |
| D1021, D1030, D1032, D1044, D1053, D1054, D1073, D1080, D1092, D1092-069, D1093, D1130, D1180 | Ex ec nC IIC T4 Gc |

Conditions of use (X):

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

- pollution degree 2 (according EN 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.