



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

Certificate No.: **IECEX BVS 14.0025X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2014-03-27)
Date of Issue: 2022-09-12
Applicant: **G.M. International S.R.L.**
Via Mameli 53/55
20852 Villasanta (MB)
Italy
Equipment: **Power Distribution and Diagnostics Module type D5202S and D5202S-xxx**
Optional accessory:
Type of Protection: **Type of Protection "n", Increased Safety "e"**
Marking: **Ex ec nC IIC T4 Gc**

Approved for issue on behalf of the IECEx
Certification Body:

Dr Christiane Sultan

Position:

Deputy Head of Certification Body

Signature:
(for printed version)

Date:
(for printed version)

2022-09-12

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 www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Issue No: 1

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:

[DE/BVS/ExTR14.0025/01](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Type Code

Power Distribution and Diagnostics Module type D5202S and type D5202S-xxx
(Option 'xxx' = non-Ex-relevant details of function)

Description

The Power Distribution and Diagnostics Module is designed as power supply- and control-device for DIN Rail Isolators of *D5*** series and is designated for installation in areas requiring EPL Gc equipment.
Electronic components of the Power Distribution and Diagnostics Module are arranged on printed-circuit-boards (PCB) packaged in plastic enclosures suitable for installation on T35 DIN.

Parameters

1 Power supply circuit

| Power Distribution and Diagnostics Module type | Voltage | | Power dissipation |
|--|---------|------------|-------------------|
| | U_n | I_{load} | P_n |
| | DC [V] | DC [A] | [W] |
| D5202S, D5202S-xxx | 24 | ≤ 4 | ≤ 1 |

2 Fault condition signaling relay contacts

| Contact rating | | | |
|--------------------------|----------------------------|--------------------|--------------|
| Voltage U_n | AC 250 V | DC 250 V | DC 30 V |
| Current I_{load} 1) | ≤ 4 A | ≤ 0.2 A 2) | ≤ 4 A |
| Power 1) | ≤ 1000 VA | 2) | ≤ 120 W |
| 1) resistive load | 2) see detailed data sheet | | |

3 Ambient temperature range

$-40\text{ °C} \leq T_a \leq +70\text{ °C}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

In case of installation in areas requiring EPL Gc equipment, the Power Distribution and Diagnostics module shall be:

- Used in an area with a pollution degree of at least 2 according to IEC 60664-1, and
- be installed in an enclosure with a degree of protection of at least IP54 in accordance with IEC 60079-0.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updating of the standards

- IEC 60079-0
- IEC 60079-15

- Change of the ignition protection type from "nA" to "ec"