



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.: issue No.: Certificate history:

Status:

Date of Issue: **2014-03-27** Page 1 of 3

Applicant: **G.M. International S.R.L.**
Via San Fiorano 70
20852 Villasanta (MB)
Italy

Electrical Apparatus: **Power Distribution and Diagnostics Module type D5202S and D5202S-xxx**
Optional accessory:

Type of Protection: **Equipment protection by type of protection "n"**

Marking: **Ex nA nC IIC T4 Gc**

Approved for issue on behalf of the IECEx
Certification Body:

H.-Ch. Simanski

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

27.3.2014

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:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
DEKRA EXAM GmbH



IECEX Certificate of Conformity

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Manufacturer: **G.M. International S.R.L.**
Via San Fiorano 70
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:

DE/BVS/ExTR14.0025/00

Quality Assessment Report:

NO/DNV/QAR07.0005/05



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Schedule

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.

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

CONDITIONS OF CERTIFICATION: YES as shown below:

The Power Distribution and Diagnostics Module shall be installed inside an enclosure, which is in accordance with IEC 60079-15.