



# 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](http://www.iecex.com)

Certificate No.: **IECEx BVS 15.0006X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2015-02-06** Page 1 of 4

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

Electrical Apparatus: **Power supply system type PSS1250-\*\*-\*\*.\* and power supply modules type PSW1250 / PSW1250-xxx / PSW1230 / PSW1230-xxx**  
Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i", 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: **02.2015**

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:

**DEKRA EXAM GmbH**  
Dinnendahlstrasse 9  
44809 Bochum  
Germany





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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 60079-11 : 2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
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/ExTR15.0004/00](#)

#### Quality Assessment Report:

[NO/DNV/QAR07.0005/05](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Subject and Type:

See Annex

#### Description:

The PSS1250-\*\*-\*\*\* power supply system is a 19" or 9" rack unit suitable to accept up to 6 or 2 plug-in power supply modules type PSM1250 and 1 overview module type PSO1250 for diagnostic functions.

Each module type PSM1250 provides 21-28 V DC, 50 A output, input voltage range AC 100 to 264 V. Modules can be paralleled for load sharing purposes.

The PSW1250 / PSW1250-xxx or PSW1230 / PSW1230-xxx modules are stand-alone power supply units, which need not be mounted in a 19" or 9" rack. The Electrical characteristics of PSW1250 / PSW1250-xxx module is identical with parameters of PSM1250 module installed in PSS1250-\*\*-\*\*\* rack. In deviation from PSW1250 / PSW1250-xxx, PSW1230 / PSW1230-xxx provides 30 A output current.

### CONDITIONS OF CERTIFICATION: YES as shown below:

The power supply system and the power supply modules shall be installed outside the hazardous area, or shall be mounted inside an enclosure, which is in accordance with EN 60079-15 in case of alternative installation in areas requiring EPL Gc equipment.



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## EQUIPMENT(continued):

### 1 PSS1250-\*\*-7-\*\*-\*

#### Electrical data

##### Input

Rated voltage AC 100...264 V

Frequency range 48...62 Hz

Nominal current each module 14.5 A (100 V)  
6.2 A (230 V)

##### Output

Min. output voltage DC 21 V

Max. output voltage DC 28 V

##### Output current

PSS1250-\*\*-7-1-\* 150A (for module 1&2&3&4&5&6)

PSS1250-\*\*-7-2-\* 150A (100A for module 1&2&3&4 and 50A for module 5&6)

PSS1250-\*\*-7-3-\* 150A (50A for module 1&2,50A for modul 3&4 and 50A for module 5&6)

### 2 PSS1250-\*\*-3-\*\*-\*

#### Electrical data

##### Input

Rated voltage AC 100...264 V

Frequency range 48...62 Hz

Nominal current each module 14.5 A (100 V)  
6.2 A (230 V)

##### Output

Min. output voltage DC 21 V

Output voltage DC 28 V

Output current 50 A

### 3 PSW1250 / PSW1250-xxx

#### Electrical data

##### Input

Rated voltage AC 100...264 V

Frequency range 48...62 Hz

Nominal current each module 14.5 A (100 V)  
6.2 A (230 V)

##### Output

Min. output voltage DC 21 V

Max. output voltage DC 28 V

Output current 50 A

### 4 PSW1230 / PSW1230-xxx

#### Electrical data

##### Input

Rated voltage AC 100...264 V

Frequency range 48...62 Hz

Nominal current each module 8.7 A (100 V)  
3.7 A (230 V)

##### Output

Min. output voltage DC 21 V

Max. output voltage DC 28 V

Output current 30 A





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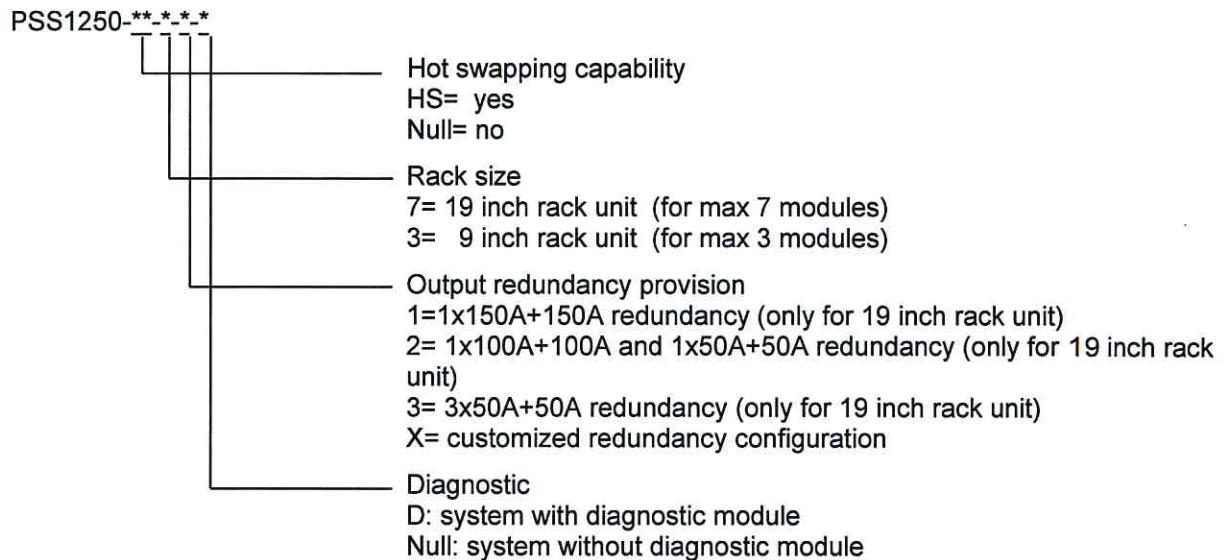
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**Annex**  
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**Subject and Type:**

Power supply system type PSS1250-\*\*-\*\*-\*\* and power supply module type PSW1250 / PSW1250-xxx or type PSW1230 / PSW1230-xxx.

Type code :



PSW1250 -xxx/ PSW1230-xxx: '-xxx' = non Ex-relevant details of construction and function.