



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 15.0006X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2015-02-06)
Date of Issue: 2022-09-08
Applicant: **G.M. International S.R.L.**
Via Mameli 53/55
20852 Villasanta (MB)
Italy
Equipment: **Power supply system / modules System type PSS1250-**-**-* and modules type PSW1250 / PSW1250-xxx / PSW1230 / PSW1230-xxx**
Optional accessory:
Type of Protection: **Intrinsic Safety "i", 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 Franz Eickhoff

Position:

Lead Auditor and officially recognised expert

Signature:
(for printed version)


2022-09-08

Date:
(for printed version)

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Certificate issued by:

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

 **DEKRA**
On the safe side.



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Date of issue: 2022-09-08

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 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[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/ExTR15.0004/01](#)

Quality Assessment Report:

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



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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.

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 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.

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

In case of alternative installation in areas requiring EPL Gc equipment, the power supply system and the power supply modules 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 type of protection from "nA" to "ec"

Annex:

[BVS_15_0006X_G.M._Annex_issue1.pdf](#)



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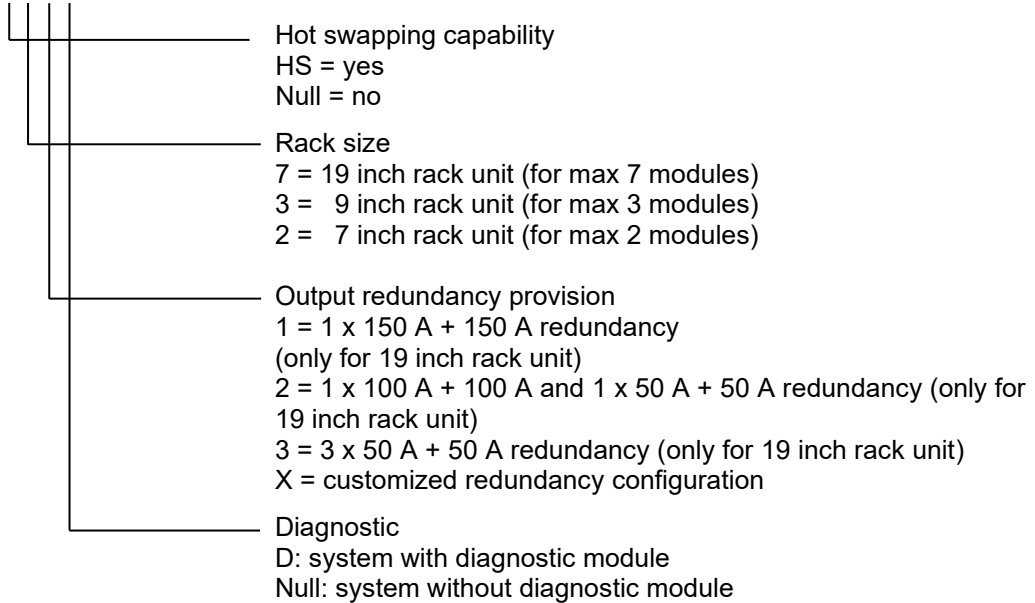
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Subject and Type:

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

Type code:

PSS1250-**-**-**



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

Parameters

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



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Output				
Min. output voltage	DC	21	V	
Max. 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	
5 Ambient temperature range				
				$-40\text{ °C} \leq T_{\text{amb}} \leq +70\text{ °C}$ (+50 °C bis +70 °C with derating)