



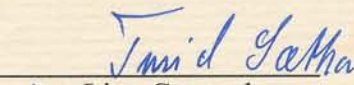
DET NORSKE VERITAS

TYPE EXAMINATION CERTIFICATE

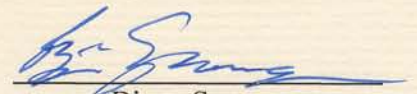
- [2] **EQUIPMENT OR PROTECTED SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**
- [3] Type Examination Certificate Number: **DNV-2006-OSL-ATEX-0099X**
- [4] Equipment: **Power supply PSD1206 and PSD1210**
- [5] Applicant – Manufacturer or Authorized representative: **G. M. International S.r.l**
- [6] Address: **Via San Fiorano, 70
20058 Villasanta (MI), Italy**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV, certifies that this equipment has been found to comply with the Essential Health and Safety requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential report no. : **2005-3505**
- [9] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to: **IEC/EN 60079-15: 2001**
- [10] If the sign “X” is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- [11] This TYPE EXAMINATION CERTIFICATE relates only to the design, examinations and tests of the specified equipment. If applicable, further requirements of this Directive may apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- [12] The marking of the equipment shall include the following :

 II 3 G EEx nA IIC T4 -20°C ≤ Tamb ≤ +60°C

Høvik, 2006-04-04
for Det Norske Veritas Certification AS


for Line Gangeskar
Head of Section




Bjørn Spongsveen
Senior Engineer

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If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

Schedule

[14] **TYPE EXAMINATION CERTIFICATE No.:** DNV-2006-OSL-ATEX-0099X

[15] **Description of Equipment or Protective System**

PSD1206 and PSD1210 power supply units provide a galvanically isolated, stabilized and current limited 24 Vdc voltage. Both units have an alarm output to indicate under or over output voltage condition or loss of supply line. The units are packaged in a metallic enclosure that can be mounted on a standard T35 DIN rail, and uses quick disconnect type terminal blocks for electrical connections. PSD1206 provides a regulated 24 Vdc voltage up to 6 A output capability while PSD1210 provides 10 A output current.

Type Identification

PSD1206
PSD1210

Electrical Data

Type	Input voltage	Output
PSD1206	95 to 250 Vac, 48-62 Hz	24 Vdc, 6 A, 150W
PSD1210	95 to 250 Vac, 48-62 Hz	24 Vdc, 10 A, 250 W

Degrees of protection (IP Code)

IP20

[16] **Report No.:** 2005-3505

Project No.: 42210350

Descriptive Documents

Number	Title	Rev.	Date
CRR027	Certification Report PSD1206, PSD1210	1	2006-03-08
SCD073	Electrical Schematic PSD1206, PSD1210	0	2005-08-01
SCD074	Electrical Schematic Module A309 for PSD1206, PSD1210	0	2005-08-01
PCF081	Printed Circuit Board PSD1206, PSD1210 Connection Board	0	2005-08-01
PCF082	Printed Circuit Board PSD1206, PSD1210 Output Board	0	2005-08-01
PCF083	Printed Circuit Board PSD1206, PSD1210 LED Board	0	2005-08-01
PCF084	Printed Circuit Board Module A309 for PSD1206, PSD1210	0	2005-08-01

Routine test

A dielectric strength test shall be carried out with at least 2000 V r.m.s. for 60 sec.

[17] **Special Conditions for Safe Use**

- Must be mounted in standard orientation only
- The power supply must be placed in an enclosure with IP4X when used in locations providing adequate protection against the entry of solid foreign objects or water capable of impairing safety, or be placed in an enclosure with IP54 for other locations

[18] **Essential Health and Safety Requirements**

See part 9 of this certificate

END OF CERTIFICATE

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

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