



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 ULD 19.0032X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-12-20

Applicant: **G.M.International srl**
Via G. Mameli, 53-55S
Villasanta
MB 20852
Italy

Equipment: **Pass-Through Module, D6004 Series**

Optional accessory:

Type of Protection: **Increased Safety "ec"**

Marking: Ex ec IIC T4 Gc
Tamb: -40°C to +70°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:

2019-12-20

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:

UL International DEMKO A/S
Borupvang 5A
DK-2750 Ballerup
Denmark





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Manufacturer: **G.M.International srl**
Via G. Mameli, 53-55S
Villasanta
MB 20852
Italy

Additional
manufacturing
locations:

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 60079-7:2017 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:

[DK/ULD/ExTR19.0035/00](#)

Quality Assessment Report:

[NO/DNV/QAR07.0005/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Pass-Through D6004 module puts into direct connection the system with the field for a flexible marshalling. It is suitable for applications requiring SIL 3 level in safety related systems for high risk industries. It also provides over-voltage and over-current protections and it supplies 3/4-wire transmitters through the power supply of the Termination Board.

D6004 module is packaged in a plastic enclosure suitable for installation on Termination Board provided with customer dedicated connection.

D6004 module can be located in non-explosive atmospheres or Zone 2 potentially explosive gas atmospheres.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The unit shall be installed in an area of at least pollution degree 2 according to IEC 60664-1.
- For hazardous location, the unit shall be installed in a certified Ex enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.
- Provision shall be assured, external to the equipment by the installation location, to provide a transient protection not exceeding 120V or 140% of the peak rated voltage (whichever is the greater) at the power supply terminals.

Annex:

[Annex to IECEx ULD 19.0032X Issue 0.pdf](#)



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TYPE DESIGNATION

Nomenclature:

D6004	S	-xxx
I	II	IV

I – Model designation:

D6004 – Pass-Through Module

II – No. of Channel:

S – 1 channel

D – 2 channels

III – Configuration – Optional:

xxx – Any alphanumeric character denoting pre-delivery testing or configuration requested by end-user.

PARAMETERS RELATING TO THE SAFETY

Rating:

Supply: 24V dc (20 to 30V dc), 400mA @70°C (500mA @25°C) with linear derating from 25 to 70°C

Output: 0-30Vdc, 50mA @70°C (100mA @25°C) with linear derating from 25 to 70°C

MARKING

Marking has to be readable and indelible; it has to include the following indications:

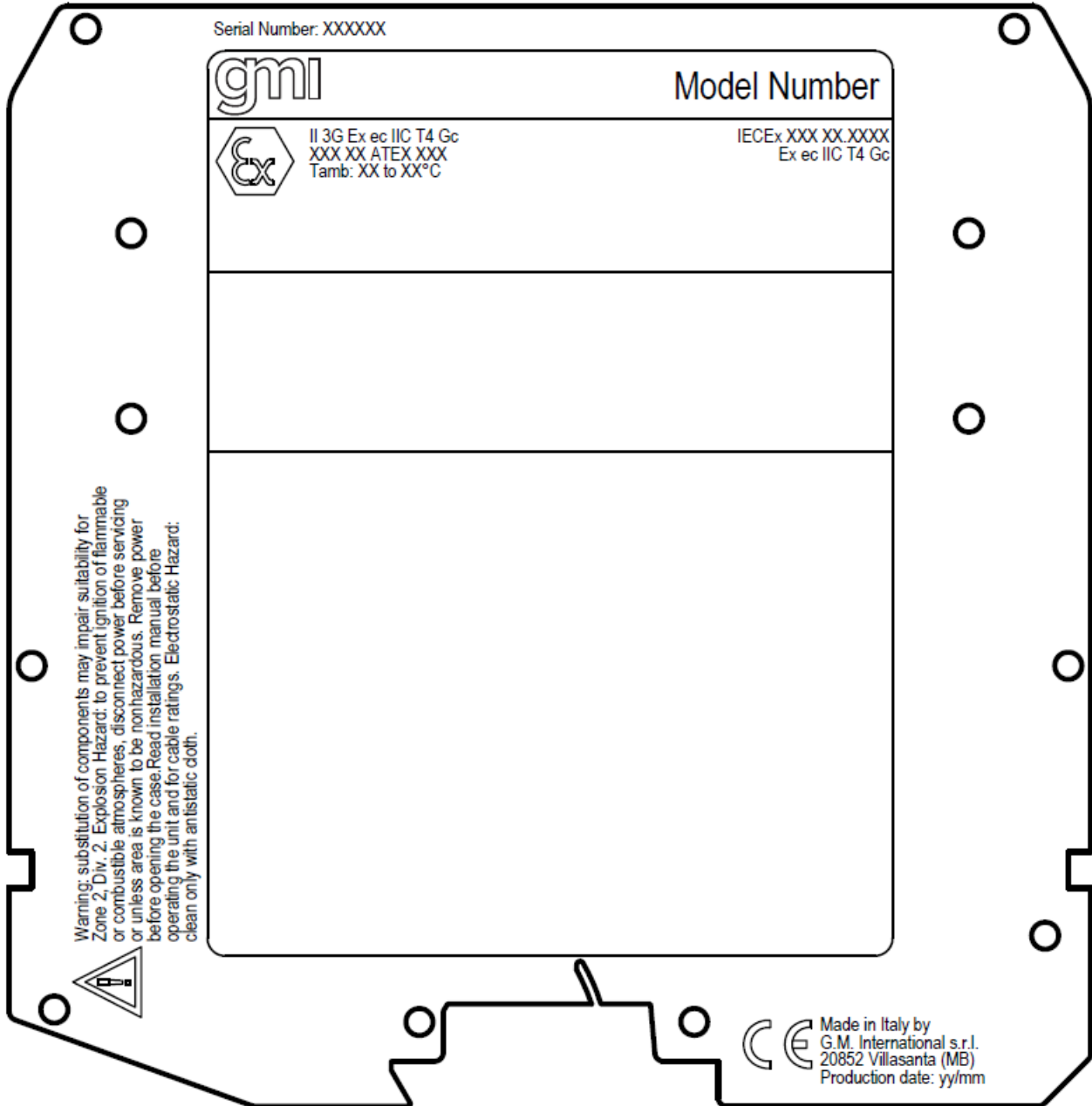


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Model Number: D6004S, D6004D, D6004S-xxx and D6004D-xxx.

IECEX Certification: marking indicated in the certificate, certificate number (IECEX ULD 19.0032X).

Electrical Parameters: as indicated in the certificate.

Ambient Temperature: Tamb: \geq lower value to \leq higher value indicated in the certificate