



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

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Issue 0 (2019-12-20)

Status: **Current** Issue No: 1

Date of Issue: 2022-02-21

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

Equipment: **3/4-Wire HART® Transmitter Power Supply, D6017 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:

**Lucy Frieders**

Position:

**Staff Engineer**

Signature:  
(for printed version)

Date:  
(for printed version)

2022-02-21

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](http://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**

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 Reports:

[DK/ULD/ExTR19.0033/00](#)

[DK/ULD/ExTR19.0033/01](#)

Quality Assessment Report:

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



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Repeater Power Supply, model D6017, is a high integrity analog input interface suitable for applications requiring SIL 3 level in safety related systems for high risk industries. It provides a fully floating dc supply for energizing 3 & 4 wire 4-20 mA transmitters, and repeats the current in floating circuit to drive a load. The circuit allows bi-directional communication signals, for HART® devices.

D6017 module is packaged in a plastic enclosure suitable for installation on IEC 60715 TH 35 DIN Rail, with or without Power Bus connector, or on Termination Board provided with customer dedicated connection.

D6017 module can be located in non-explosive atmospheres or Zone 2 potentially explosive gas atmospheres.

Electrical connections are accommodated by plug-in removable terminal block or with customer dedicated connector when installed on Termination Board.

Supply voltage can optionally be fed through the Termination Board or by the Power Bus connector installed on DIN Rail.

**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 locations, the unit shall be installed in a certified Ex enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Issue 1: Revision of scheduled drawing not affecting type of protection.

**Annex:**

[Annex to IECEx ULD 19.0030X Issue 1.pdf](#)



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## TYPE DESIGNATION

Nomenclature:

D6017	S	S	-xxx
I	II	III	IV

I – Model designation:

D6017 – 3/4-Wire HART® Transmitter Power Supply

II – No. of Channel:

S – Single channel

III – Output:

S – Source output

K – Sink output

IV – Configuration – Optional:

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

## PARAMETERS RELATING TO THE SAFETY

Supply voltage: 24V dc

Input: 4 to 20mA / Output: 4 to 20mA

Rating:

Model	Supply voltage (terminals 5-6)	Current consumption	Power consumption	Input	Output
D6017SS	24V dc (SELV) (18-30V dc tolerances)	260 mA	Max. 6.24W	4 to 20mA Terminals 7-8  Max 200mA Terminals 11-12	Source Output 4 to 20mA Terminals 1-2
D6017SK	24V dc (SELV) (18-30V dc tolerances)	260 mA	Max. 6.24W	4 to 20mA Terminals 7-8  Max 200mA Terminals 11-12	Sink Output 4 to 20mA / Max. 30V dc Terminals 1-2

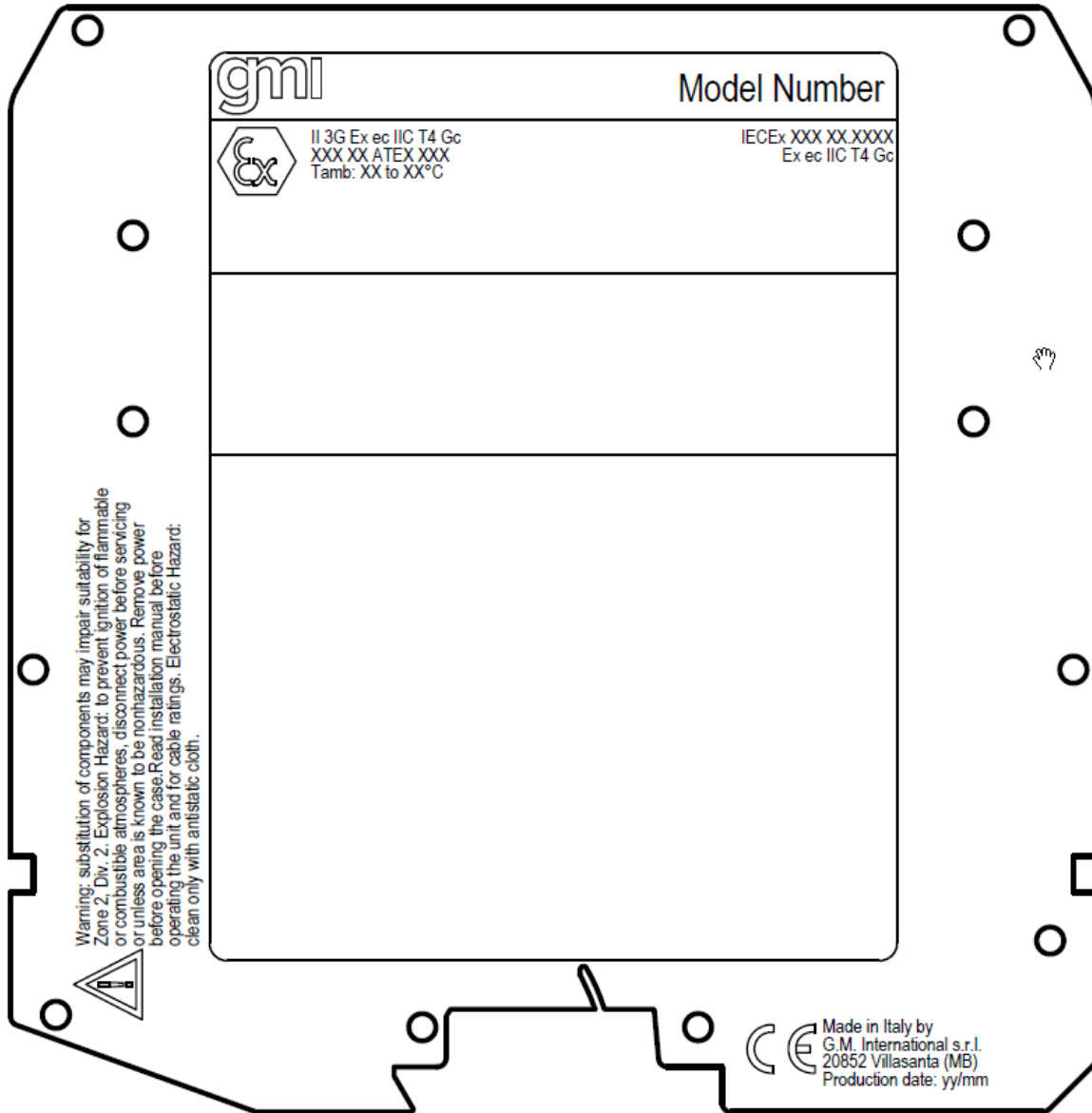
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## MARKING

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





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**Model Number:** D6017SS, D6017SK, D6017SS-xxx and D6017SK-xxx.

**IECEX Certification:** marking indicated in the certificate, certificate number (IECEX ULD 19.0030X).

**Electrical Parameters:** as indicated in the certificate.

**Ambient Temperature:**  $T_{amb}$ :  $\geq$  lower value to  $\leq$  higher value indicated in the certificate.