



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 EXA 15.0008X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 Issue 1 (2020-02-19)
Date of Issue: 2021-07-20 Issue 0 (2015-10-07)
Applicant: **EISENBAU Srl**
Viale Europa, 39
20047 Cusago (MI)
Italy
Equipment: **Limit switch box - GD series**
Optional accessory:
Type of Protection: **Flameproof enclosures 'd'; Protection by enclosure 't'**
Marking: **Ex db IIC T6...T4 Gb**
Ex tb IIIC T85°C...T135°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Marino Kelava



Position:

Certification Signatory

Signature:
(for printed version)

Date:

2021-07-20

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:

Fiditas Ltd
Karlovačka cesta 197
Zagreb-Lučko HR-10250
Croatia



Fiditas
explosion safety solutions



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Date of issue: 2021-07-20

Issue No: 2

Manufacturer: **EISENBAU Srl**
Viale Europa, 39
20047 Cusago (MI)
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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

HR/EXA/ExTR15.0017/00

Quality Assessment Report:

DE/TUR/QAR19.0006/01



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Limit switch boxes are electromechanical devices for monitoring the operation of industrial valves in plants. The limit switch box devices are used to control the position of the valve and provide electrical feedback signal of valve status to plant control systems.

They are equipped with visible position indicator that represent a true indication of valve position. Degree of protection by enclosure is IP 66 or IP68 (20m / 2h).

For details see Annex of this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Appropriate method of installation, maintenance and operation, should prevent accumulation of static charge on enclosure of the device.

Use screws of quality A2-70 or A4-70 according to UNI 5931 with ultimate tensile strength of at least 700 N/mm².

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Manufacturer's and applicant's address updated.

Annex:

[IECEX_EXA150008X_Issue_2_Eisenbau_Annex-1.pdf](#)

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Annex 1 to: **IECEX EXA 15.0008X** Issue: 2

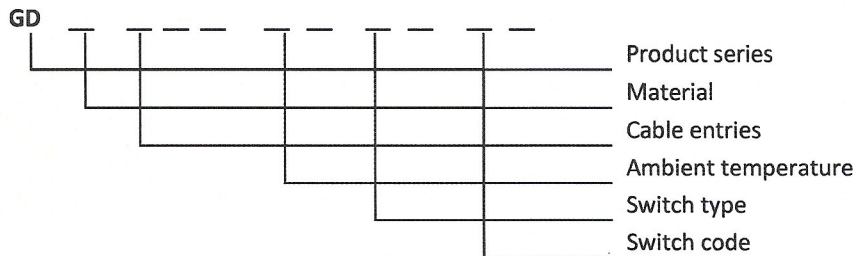
Date: **2021-07-20**

Product description:

Ambient temperature: -60°C to +105°C; depends on Tamax
Nominal voltage: 0 Vdc - 125 Vdc
0 Vac - 250 Vac
Nominal current: 0.1A - 10A

T _{amax} [°C]	Maximal allowed power dissipation [W]	Temperature class	Maximum surface temperature	Suitable cable temperature class
40	10	T6	T85°C	70°C
65	4	T6	T85°C	80°C
	10	T5	T100°C	100°C
85	4	T5	T100°C	100°C
	10	T4	T135°C	120°C
90	4	T4	T135°C	105°C
	10	T4	T135°C	125°C
105	4	T4	T135°C	120°C

Marking:



Minimum width of joints (L) are shown in the following table:

Flameproof joint	Joints (mm)					
	L	l	c	d	Pitch	i _{max}
Enclosure - cover	15.5	12.5	/	15.5	/	0.04
Enclosure - shaft	25.5	/	25.5	/	/	0.15
Cover - shaft	25.5	/	25.5	/	/	0.15
Enclosure - cable gland (½" NPT, ¾" NPT, M20×1.5, M25×1.5)	14	/	/	/	1.5	/

