



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx EUT 14.0002 Issue No: 0 Certificate history:
Issue No. 0 (2014-08-07)

Status: **Current** Page 1 of 3

Date of Issue: **2014-08-07**

Applicant: **DVG Automation S.p.A.**
Via G. Rossetti, 2 – 29016 Cortemaggiore (PC)
Italy

Electrical Apparatus: **Limit Switch Box**
Optional accessory:

Type of Protection: **Flameproof enclosures "d"; Equipment dust ignition protection by enclosure "t"**

Marking:
Ex d IIC TX Gb
Ex tb IIIC TX°C Db

*Approved for issue on behalf of the IECEx
Certification Body:*

Dionisio Bucchieri

Position:

Head of IECEx CB

*Signature:
(for printed version)*

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Eurofins TECH S.r.l.
Via Cuornè,
n.21 - 10156 Torino
Italy





IECEX Certificate of Conformity

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Manufacturer: **DVG Automation S.p.A.**
Via G. Rossetti, 2 – 29016 Cortemaggiore (PC)
Italy

Additional Manufacturing
location(s):

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 electrical apparatus 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical 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:

[IT/EUT/ExTR14.0002/00](#)

Quality Assessment Report:

[IT/EUT/QAR14.0003/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

ASB Series Limit Switch Box provides limit switch facility, along with 4÷20mA / HART position transmitter and/or Partial Stroke Test capability. The equipment can be made made of aluminium or stainless steel (the paint used has a maximum thickness of 100 µm). The equipment of group IIC and group IIIC has respectively the type of protection "Ex d" and "Ex t".

A more detailed description is given in the annex

CONDITIONS OF CERTIFICATION: NO

Annex:

[EUT.14.REL.01_52384.pdf](#)



Annex to certificate: IECEx EUT 14.0002 Issue N. 0 of 2014-05-16

General product information:

ASB Series Limit Switch Box provides limit switch facility, along with 4÷20mA / HART position transmitter and/or Partial Stroke Test capability.

The equipment can be made made of aluminium or stainless steel (the paint used has a maximum thickness of 100 µm).

The equipment of group IIC and group IIIC has respectively the type of protection “Ex d” and “Ex t”.

Electrical characteristics

Maximum voltage: 250 Vac/Vdc

Maximum Limit Switch current: 16 A

Maximum power dissipation: 720 mW

Degree of protection: IP 68 (2h submersed at a depth of 1m).

Ambient temperature. -60 ÷ +85 °C (or -60°C ÷ +80 °C or -20°C ÷ +85 °C or -20°C ÷ +80 °C)

Temperature class and Maximum surface temperature:

For maximum ambient temperature of 80°C: T6 and 80°C;

For maximum ambient temperature of 85°C: T5 and 85°C.

Cable entries

The cable entry devices used on the enclosures must be suitably IEC Ex certified.

The accessories used for cable entries and for unused holes must be subjected to a separate certification according to the applicable standards IEC 60079-1 and IEC 60079-31.

Screws

The used screws comply with quality A4-70.

Warning label

“Do not open in presence of explosive atmosphere”

“Do not open while energized”

“Potential electrostatic charging hazard - clean with dump cloth or antistatic products”