



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 15.0004

Issue No: 1

Certificate history:

[Issue No. 1 \(2016-11-10\)](#)

[Issue No. 0 \(2015-05-22\)](#)

Status: **Current**

Page 1 of 4

Date of Issue: **2016-11-10**

Applicant: **Nadi S.r.l.**
Via Risorgimento , 10 – 20017 Mazzo di Rho (MI)
Italy

Equipment: **Solenoid valves and electromagnetic devices**
Optional accessory:

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

Marking:
Ex d IIC TX Gb -20°C≤Tamb≤+X°C
Ex tb III C TX°C Db -20°C≤Tamb≤+X°C

*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](#).

Certificate issued by:

Eurofins Product Testing Italy S.r.l.
Via Cuorgnè,
n.21 - 10156 Torino
Italy



Product Testing



IECEX Certificate of Conformity

Certificate No: IECEX EUT 15.0004

Issue No: 1

Date of Issue: 2016-11-10

Page 2 of 4

Manufacturer: **Nadi S.r.l.**
Via Risorgimento , 10 – 20017 Mazzo di Rho (MI)
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 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 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	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/ExTR15.0001/01](#)

Quality Assessment Report:

[NO/DNV/QAR15.0005/00](#)



IECEX Certificate of Conformity

Certificate No: IECEX EUT 15.0004

Issue No: 1

Date of Issue: 2016-11-10

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The solenoid flameproof housing for the devices type; L, C, D, E, F, G, H, VL, VC, VD, VE, VF, VG, VH, are used to control the flow of flammable and/or inert gas or liquids.

The flameproof enclosure is made of light alloy (the paint used has a maximum thickness of 200 µm) and silicone gaskets.

The body of the valve can be made of brass UNI 5705/ UNI 4893, nickel-plated brass UNI 5705/ UNI 4893, bronze UNI 7013, stainless steel AISI 303/AISI 304/AISI 316/AISI 316L, light alloy Mg<6%, or Carbon steel while the seals materials can be NBR, viton, urepan, PTFE, rulon, metallic, neoprene, EPDM, HNBR, kalrez or special.

The equipment is suitable for groups IIC and group IIIC. It has respectively the type of protection "Ex d" and "Ex t".

Maximum voltage: 400 Vdc or 400 Vac (50 or 60 Hz)

Maximum power dissipation: 11W or 26W

Ambient temperature: -20 ÷ +40 °C (or -20°C ÷ +60 °C)

Temperature class and Maximum surface temperature:

Maximum ambient temperature	P≤11W	P≤26W
+40°C	T6 and T65°C	T5 and T87°C
+60°C	T5 and T85°C	T4 and T107°C

See annex for further description.

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No: IECEX EUT 15.0004

Issue No: 1

Date of Issue: 2016-11-10

Page 4 of 4

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

Specified the materials allowed for the body of the valve and its seals materials.

Annex:

[EPT.16.REL.02_52308.doc](#)