



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 LCI 09.0024X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 5 Issue No. 2 (2016-10-20)
Date of Issue: **2016-10-20** Issue No. 1 (2011-12-23)
Applicant: **PARKER Hannifin Manufacturing Switzerland SA** Issue No. 0 (2009-10-16)
16 chemin du Faubourg de Cruseilles
CH. 1227 CAROUGE GENEVE
Switzerland
Equipment: **Electrovalve, type : .../49----- or .../VZ...**
Optional accessory:
Type of Protection: **"mb" and "tb"**
Marking: PARKER Hannifin Manufacturing Switzerland SA or PARKER Lucifer Address : ... Type : .../49----- or .../VZ... Serial number : ... Year of construction : ... Ex mb IIC T4 or T5 Gb Ex tb IIIC T130°C or T95°C Db IP6X Un : ... V In : ... A IECEx LCI 09.0024 X Ambient temperature : See table page 3

Approved for issue on behalf of the IECEx
Certification Body:

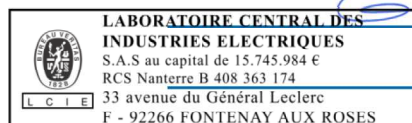
Julien Gauthier

Position:

Certification Officer

Signature:
(for printed version)

Date:



2016-10-20

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

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **PARKER Hannifin Manufacturing Switzerland SA**
16 chemin du Faubourg de Cruseilles
CH. 1227 CAROUGE GENEVE
Switzerland

Additional Manufacturing location(s):
PARKER HANNIFIN Manufacturing S.r.l
Via Enrico Fermi, 5
20030 Gessate (MI)
Italy

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 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-18 : 2009 Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
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:

FR/LCI/ExTR09.0021/00 FR/LCI/ExTR09.0021/01

Quality Assessment Report:

FR/LCI/QAR06.0004/00 FR/LCI/QAR06.0004/01 FR/LCI/QAR06.0004/02
FR/LCI/QAR06.0004/03



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment :

This apparatus, composed of a coil, is mounted on different types of valves which are all equipped with a mobile armature sliding inside a tube passing through the coil.

Electrical characteristics :

Power : 2,5W to 9W

Voltage (AC) : 12V to 240V

Voltage (DC) : 12V to 220V

Routine test :

Each equipment shall be submitted to the following routine test :

- Visual examination according to the clause 9.1 of the IEC 60079-18 (Ed.3) standard,
- Dielectric test according to the clause 8.2.4 of the IEC 60079-18 (Ed.3) standard.

CONDITIONS OF CERTIFICATION: YES as shown below:

The power supply of the equipment shall be protected with a fuse having a breaking capacity adjusted to the short circuit current of the equipment.

Temperature class table :

Type	Power (W)	Ambient or fluid temperature



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	AC	DC	-40°C to +40°C		-40°C to +65°C	
			Gas	Dust	Gas	Dust
			.../492070... or .../VZ01	9	8	T5
.../492170... or .../VZ38	5	5	T5	T95°C	T4	T130°C
.../492270... or .../VZ02	5	5	T5	T95°C	T4	T130°C
.../492370... or .../VZ05	3	2,5	T5	T95°C	T4	T130°C



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

Issue 1 :

Normative update according to standards IEC 60079-0, Ed5 ; IEC 60079-18, Ed3 ; IEC 60079-31, Ed1

Change of legacy name

Issue 2 :

Addition of a new manufacturing location (covered under FR/LCI/QAR06.0004/07).

No technical change.