



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

Certificate No.: IECEx LCI 06.0011X Issue No: 3 Certificate history:  
Status: **Current** Page 1 of 4 Issue No. 3 (2016-10-20)  
Date of Issue: **2016-10-20** Issue No. 2 (2011-12-23)  
Applicant: **PARKER Hannifin Manufacturing Switzerland SA** Issue No. 1 (2007-03-06)  
16 chemin du Faubourg de Cruseilles  
CH. 1227 CAROUGE GENEVE  
**Switzerland**  
Equipment: **Electrovalves - Type : .. /49---... or ../VZ...**  
*Optional accessory:*  
Type of Protection: **e mb tb**  
Marking: PARKER Hannifin Manufacturing Switzerland S.A or PARKER Lucifer Address: ... Serial number : ...  
Year of manufacturing : ... Type : .. /49---... or ../VZ... Ex e mb IIC T3 or T4 or T5 or T6 gb Ex tb IIC  
T195°C or T130°C or T95°C or T80°C Db IP6X Ambient temperature range : - 40°C to + 75°C Un, In, lcc  
(if lcc different of 1500A) WARNING - DO NOT OPEN WHEN ENERGIZED IECEx LCI 06.0011X

Approved for issue on behalf of the IECEx  
Certification Body:

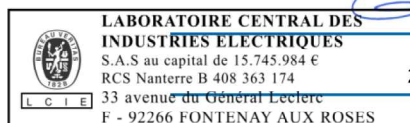
Julien Gauthier

Position:

Certification Officer

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:

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





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Date of Issue: 2016-10-20 Page 2 of 4  
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

**PARKER LUCIFER S.A.**  
16, Ch. Faubourg de Cruseilles  
1227 Carouge – GENEVE  
Switzerland

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:

<b>IEC 60079-0 : 2007-10</b> Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
<b>IEC 60079-18 : 2009</b> Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
<b>IEC 60079-31 : 2008</b> Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 60079-7 : 2006-07</b> Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ExTR06.0015/00](#)      [FR/LCI/ExTR06.0015/01](#)

Quality Assessment Report:

[FR/LCI/QAR06.0004/07](#)



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Certificate No: IECEx LCI 06.0011X

Issue No: 3

Date of Issue: 2016-10-20

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

### DESCRIPTION

This electrovalve is designed with 2 mains parts: a coil compartment and a connection compartment. Connection compartment is 'e' mode of protection. Coil compartment is 'mb' mode of protection. The cable gland is designed to be part of the product.

Routine test :

Each specimen of the above equipment shall be submitted to the following routine test :

- Visual examination according to the clause 9.1 of the IEC 60079-18, Ed3 standard,
- Dielectric test according to the clause 8.2.4 of the IEC 60079-18, Ed3 standard

### CONDITIONS OF CERTIFICATION: YES as shown below:

- The equipment shall be used in a range of ambient or fluid temperature between  $-40^{\circ}\text{C}$  and  $+75^{\circ}\text{C}$ .
- The equipment shall be protected by fuse with a breaking capacity adjusted to the short circuit of the equipment.
- The temperature classes are defined as follows :

Type	Power	Ambient temperature			
		From $-40^{\circ}\text{C}$ up to $+40^{\circ}\text{C}$		From $+40^{\circ}\text{C}$ up to $+75^{\circ}\text{C}$	
		Gas	Dust	Gas	Dust
.../492200... .../NZ13	or 1.5 W	T6	T80°C	T5	T95°C
.../492210... .../NZ26	or 1.5 W	T6	T80°C	T5	T95°C
.../492390... .../NZ06	or 3 W	T6	T80°C	T5	T95°C
.../492300... .../NZ14	or 6 W	T5	T95°C	T4	T130°C
.../492310... .../NZ27	or 6 W	T5	T95°C	T4	T130°C
.../492190... .../NZ03	or 11 W	T4	T130°C	T3	T195°C



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Certificate No: IECEx LCI 06.0011X

Issue No: 3

Date of Issue: 2016-10-20

Page 4 of 4

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

Issue 01 :

Update of certificate of conformity

Issue 02 :

Normative update according to standards IEC 60079-0, Ed5 ; IEC 60079-7, Ed4 ; IEC 60079-18, Ed3 and IEC 60079-31, Ed1

Change of legacy entity name

Issue 03 :

Addition of a new manufacturing location (covered under FR/LCI/QAR06.0004/07).  
No technical change.