



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 07.0025X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 4 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 (2007-12-19)
16 chemin du Faubourg de Cruseilles
CH. 1227 CAROUGE GENEVE
Switzerland
Equipment: **IS electrovalves, type : .../48--- or .../49--- code .../DZ...**
Optional accessory:
Type of Protection: **"Ia" and "ta"**
Marking: PARKER Hannifin Manufacturing Switzerland S.A. or PARKER Lucifer Address : ... Type : .../48--- or .../49--- code .../DZ... Serial N° : ... Year of construction : ... Ex ia IIC T6 Ga Ex ta IIIC T80°C Da IP6X Ui = ... ; Pi = ...; li = ...; Li = ...; Ci = ... (1) (1) completed with electrical parameters IECEx LCI 07.0025 X

Approved for issue on behalf of the IECEx
Certification Body:

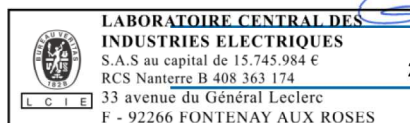
Julien Gauthier

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 60079-11 : 2006 Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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/ExTR07.0023/00](#) [FR/LCI/ExTR07.0023/01](#)

Quality Assessment Report:

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment :

This apparatus is composed of a solenoid circuit.

The apparatus can be used with different types of valves.

Specific parameters of the mode of protection concerned :

Type	Code	IIC group Ui(V) ; Ii (mA) ; Pi (W)	IIB group Ui(V) ; Ii (mA) ; Pi (W)
.../483580.01...	DZ 12	28 V ; 110 mA ; 0,77 W or	28 V ; 280 mA ; 1,96 W or
.../490880...	DZ 18	27 V ; 120 mA ; 0,81 W or	27 V ; 320 mA ; 2,16 W or
.../483960.01...	DZ 13	26 V ; 135 mA ; 0,88 W or	26 V ; 350 mA ; 2,27 W or
.../493997...	DZ 19	25 V ; 150 mA ; 0,94 W or 24 V ; 170 mA ; 1,02 W	25 V ; 390 mA ; 2,43 W or 24 V ; 430 mA ; 2,58 W

CONDITIONS OF CERTIFICATION: YES as shown below:

The apparatus shall only be associated to an intrinsically safe certified apparatus, and this combination shall be compatible as regards intrinsic safety.

Ambient temperature : -40°C to +55°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 and IEC 60079-31, Ed1

Change of legacy entity name

Issue 2 :

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

No technical change.