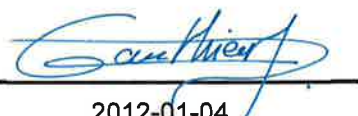




# IECEx Certificate of Conformity

## 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 09.0006	issue No.:1	Certificate history: Issue No. 1 (2011-12-30) Issue No. 0 (2009-2-3)
Status:	Current		
Date of Issue:	2011-12-30	Page 1 of 4	
Applicant:	<b>MARECHAL ELECTRIC S.A.</b> 5, avenue de Presles 94417 SAINT-MAURICE Cedex France		
Electrical Apparatus: Optional accessory:	<b>Industrial Plug and Socket</b>		
Type of Protection:	<b>Gas: d and e; Dust tD</b>		
Marking:	MARECHAL ELECTRIC S.A. Address:.... Type: DXN3 Ex de IIC T* Ex tD A21 IP66/67 T* WARNING - DO NOT OPEN WHEN ENERGIZED (on terminals compartment) THIS APPARATUS SHALL NOT BE SUBMITTED TO MECHANICAL IMPACT HIGHER THAN 4 JOULES (version with carter in VALOX) IECEx LCI 09.0006 *: see temperature table		
Approved for issue on behalf of the IECEx Certification Body:		Julien GAUTHIER	
Position:		Certification Officer	
Signature: (for printed version)			
Date:		2012-01-04	

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:

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





# IECEx Certificate of Conformity

Certificate No.: IECEx LCI 09.0006

Date of Issue: 2011-12-30

Issue No.: 1

Page 2 of 4

Manufacturer: **MARECHAL ELECTRIC S.A.**  
5, avenue de Presles  
94417 SAINT-MAURICE Cedex  
**France**

Manufacturing location(s):  
**MARECHAL ELECTRIC  
S.A.**  
ZI de la Maine  
76150 MAROMME  
France

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 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "ID"

*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/ExTR08.0054/00

FR/LCI/ExTR08.0054/01

FR/LCI/ExTR08.0054/02

##### Quality Assessment Report:

FR/LCI/QAR09.0002/00

FR/LCI/QAR09.0002/01

FR/LCI/QAR09.0002/02



# IECEx Certificate of Conformity

Certificate No.: IECEx LCI 09.0006

Date of Issue: 2011-12-30

Issue No.: 1

Page 3 of 4

## Schedule

### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Industrial plug and socket with 2, 3, 4 or contacts version with optionally 2 auxiliary contacts constituted in two main parts which are plug and connector.

The electrical connection is carried out inside "e" compartment of each part, with a maximum voltage 750V (550V auxiliary contacts) and maximum current 32A and 5A for auxiliary contacts.

"d" compartment represents connexion of two parts.

### Temperature table:

For variation with tin plated pin

Ta	Gas	Dust
-40°C ≤ Ta ≤ +60°C	T4	T98°C
-40°C ≤ Ta ≤ +40°C**	T6	T78°C

\*\* : for the version with VALOX carters and LATAMID 6E02 or VESTAMID accessories, ambient temperature shall be -40°C ≤ Ta ≤ +40°C

For variation with silver plated pin

Ta	Gas	Dust
-40°C ≤ Ta ≤ +60°C	T5	T77°C
-40°C ≤ Ta ≤ +40°C**	T6	T57°C

\*\* : for the version with VALOX carters and LATAMID 6E02 or VESTAMID accessories, ambient temperature shall be -40°C ≤ Ta ≤ +40°C

### Routine verification and routine tests:

Each "e" compartment shall be submitted to the dielectric strength test in accordance with clause 6.1 of IEC 60079-7

### Electrical parameters:

		U <sub>e_max</sub>	I <sub>e_max</sub>
Standard version		750V	32A
Auxiliaries version	Main circuit	550V	32A
	Auxiliary circuit	440V	5V

CONDITIONS OF CERTIFICATION: NO



# IECEx Certificate of Conformity

Certificate No.: IECEx LCI 09.0006

Date of Issue: 2011-12-30

Issue No.: 1

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

### Issue 01:

- Added alternative of socket casing/cover/latch
- Added of a material for safety shutter
- Added new plating for the pin
- Added of accessories: certified empty boxes type MXBJ
- Possibility to use a metal latch
- Normative update for IEC 60079-1 Ed 6



# IECEx Certificate of Conformity

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Certificate No.: IECEx LCI 09.0006 issue No.: 0 Certificate history: .....

Status: **Current**

Date of Issue: 2009-02-03 Page 1 of 3

Applicant: **MARECHAL ELECTRIC S.A.**  
5, avenue de Presles  
94417 SAINT-MAURICE Cedex  
France

Electrical Apparatus: **Industrial Plug and Socket**  
Optional accessory:

Type of Protection: **Type DXN3**

Marking: **MARECHAL ELECTRIC S.A.**  
Address:  
Type: DXN3  
Ex de IIC T\*  
Ex tD A21 IP66/67 T\*  
WARNING - DO NOT OPEN WHEN ENERGIZED (on terminals compartment)  
THIS APPARATUS SHALL NOT BE SUBMITTED TO MECHANICAL IMPACT HIGHER  
THAN 4 JOULES (version with carter in VALOX)  
IECEx LCI 09.0006  
\*: see temperature table

Approved for issue on behalf of the IECEx  
Certification Body:

Marc GILLAUX

Position:

Certification Manager

Signature:  
(for printed version)



03 FEB. 2009

Date:

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Certificate No.: IECEx LCI 09.0006

Date of Issue: 2009-02-03

Issue No.: 0

Page 2 of 3

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<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

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*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

FR/LCI/ExTR08.0054/00  
FR/LCI/ExTR08.0054/01

Quality Assessment Report:  
FR/LCI/QAR09.0002/00



# IECEX Certificate of Conformity

Certificate No.: IECEx LCI 09.0006

Date of Issue: 2009-02-03

Issue No.: 0

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	Auxiliary circuit	440V	5V

### CONDITIONS OF CERTIFICATION: NO