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 LCIE 14.0041X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2014-10-03**	Page 1 of 3

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

Electrical Apparatus: **Industrial plug and socket-outlet type PXN12C**
Optional accessory:

Type of Protection: **Gas: "e", "i", Dust : "t"**

Marking: Ex e IIC T* Gb alternate Ex eb IIC T*
Ex tb IIIC T* Db alternate Ex tb IIIC T*
or

Ex ia or ib IIC T6 Gb alternate Ex ia or ib IIC T6
Ex tb IIIC T* Db alternate Ex tb IIIC T*
(Refers to Attachment for full marking)

Approved for issue on behalf of the IECEx Certification Body: Julien Gauthier

Position: Certification Officer

Signature:
(for printed version)

Date: 2014-10-03

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
Documents relative to LCIE certification activites (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".

L C I E

IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 14.0041X

Date of Issue: **2014-10-03** Issue No.: **0**

Manufacturer: **MARECHAL ELECTRIC S.A.**
ZI de la Maine
76150 MAROMME
France

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 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 : 2011 Edition: 6.0	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'
IEC 60079-7 : 2006-07 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/LCIE/ExTR14.0045/00

Quality Assessment Report:

FR/LCI/QAR09.0002/06

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Certificate No.: IECEx LCIE 14.0041X

Date of Issue: **2014-10-03** Issue No.: **0**

Schedule

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

This apparatus consists of one plug and one socket.
Electrical parameters:
See more details in annex of this certificate.
Routine test for Ex e :
Each single must be submitted to a dielectric strength test according to paragraph 7.1 of IEC 60079-7.

CONDITIONS OF CERTIFICATION: YES as shown below:

Refers to Attachment.

Annex: IECEx LCIE 14.0041X issue 00 Attachment.pdf

IECEx LCIE 14.0041X issue 00
Attachment

Possible assembly between female part and male part:

WALL MOUNTING SOCKET female
PXN12C (10 A)

Possible accessories:

Wall box poly 30°
Wall box poly 70°
Metal box + inclined sleeve 45°
Empty enclosures MXBJ1 to MXBJ10

PLUG male
PXN12C (10 A)

Possible accessories:

Straight poly handle
Straight metal handle
Inlet cap

INCLINED SOCKET female
PXN12C (10 A)

Possible accessories:

Inclined poly sleeve 30°
Inclined metal sleeve 30°
Inclined poly sleeve 70°
Inclined metal sleeve 45°

INCLINED APPLIANCE INLET
male PXN12C (10 A)

Possible accessories:

Inclined poly sleeve 30°
Inclined metal sleeve 30°
Inclined poly sleeve 70°
Inclined metal sleeve 45°

COUPLER SOCKET
female
PXN12C (10 A)

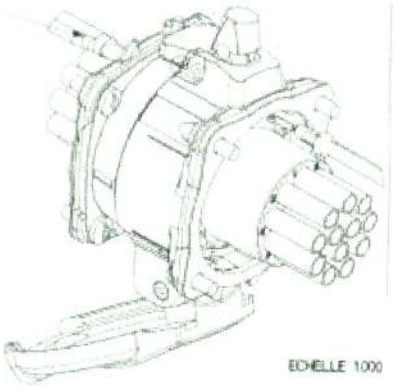
Possible accessories:

Straight poly handle
Straight metal handle
Inlet cap

WALL MOUNTING APPLIANCE INLET
male PXN12C (10 A)

Possible accessories:

Wall box poly 30°
Wall box poly 70°
Metal box + inclined sleeve 45°
Empty enclosures MXBJ1 to MXBJ10



This Annex is valid only in combination with certificate LCI E 14.0038X issue 00 and may only be reproduced in its entirety and without any change.

The marking shall be:

Ex e version:

MARECHAL ELECTRIC
Address : .....
Type : PXN12C
Serial number : .....
Year of construction : .....
Ex e IIC T* Gb alternate Ex eb IIC T*
Ex tb IIIC T* Db alternate Ex tb IIIC T*
IP65
IECEx LCIE 14.0041 X
Ue = 220V max. Ie = 10A max
WARNING – DO NOT OPEN WHEN ENERGIZED
WARNING – DO NOT SEPARATE WHEN ENERGIZED
* :according to temperatures table

Ex ia or ib versions:

MARECHAL ELECTRIC
Address : .....
Type : PXN12C
Serial number : .....
Year of construction : .....
Ex ia or ib IIC T6 Gb alternate Ex ia or ib IIC T6
Ex tb IIIC T* Db alternate Ex tb IIIC T*
IP65
IECEx LCIE 14.0041 X
WARNING – DO NOT OPEN WHEN ENERGIZED
WARNING – DO NOT SEPARATE WHEN ENERGIZED
* :according to temperatures table

Note: The electrical parameters of the protection mode "e" are more severe than the electric parameters of the protection mode "I".
It is not necessary to include them in the marking

Temperature table :

Current	Ambient temperature	Temperature class	Surface temperature
5A	-40 °C ≤ Ta ≤ +60 °C	T6	T65°C
10A	-40 °C ≤ Ta ≤ +55 °C	T5	T69°C

Conditions of certifications:

1.Ambient temperature:
- 40°C ≤ Tamb ≤ +60°C for 5A or - 40°C ≤ Tamb ≤ +55°C for 10A
2. The connection of conductors shall be done according to instruction notice of manufacturer.
3. The intrinsically safe apparatus shall only be connected to associated intrinsically safe apparatus certified for the intended use. This association shall comply with the requirements of the standard IEC 60079-25.