



# 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.:  issue No.:  Certificate history:

Status:

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 DXN25C**  
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)

  
\_\_\_\_\_  
2014-10-03

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.

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 activities (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".



**LCIE**



# IECEX Certificate of Conformity

Certificate No.: IECEX LCIE 14.0040X

Date of Issue: 2014-10-03

Issue No.: 0

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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:

<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-11 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<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/LCIE/ExTR14.0044/00

##### Quality Assessment Report:

FR/LCI/QAR09.0002/06



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## 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.



Possible assembly between female part and male part:

**WALL MOUNTING  
SOCKET female  
DXN25C (10 A)**



Possible accessories:

Wall box poly 30°
Wall box poly 70°
Metal box + inclined sleeve 30°
Metal box + Inclined poly sleeve 30°
Metal box + Straight metal sleeve
Metal box + Inclined metal sleeve 70°
Empty enclosures MXBJ1 to MXBJ10

**PLUG male  
DXN25C (10 A)**



Possible accessories:

Straight poly handle
Straight metal handle
Inlet cap

**INCLINED  
SOCKET female  
DXN25C (10 A)**



Possible accessories:

Inclined poly sleeve 30°
Inclined metal sleeve 30°
Inclined poly sleeve 70°
Straight metal sleeve
Inclined metal sleeve 70°



**INCLINED  
APPLIANCE INLET  
male DXN25C (10 A)**



Possible accessories:

Inclined poly sleeve 30°
Inclined metal sleeve 30°
Inclined poly sleeve 70°
Straight metal sleeve
Inclined metal sleeve 70°
Inlet cap

**COUPLER  
SOCKET female  
DXN25C (10 A)**



Possible accessories:

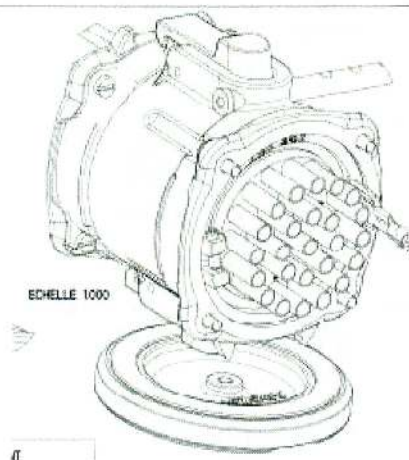
Straight poly handle
Straight metal handle

**WALL MOUNTING  
APPLIANCE INLET  
male DXN25C (10 A)**



Possible accessories:

Wall box poly 30°
Wall box poly 70°
Metal box + inclined sleeve 30°
Metal box + Inclined poly sleeve 30°
Metal box + Straight metal sleeve
Metal box + inclined metal sleeve 70°
Inlet cap



Ex e version:

MARECHAL ELECTRIC

Address : .....

Type : DXN25C

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\*

IP66/67

IECEX LCIE 14.0040 X

Ue = 440V max. Ie = 10A max

WARNING – DO NOT OPEN WHEN ENERGIZED

WARNING – DO NOT SEPARATE WHEN ENERGIZED

\* :according to temperatures table

Ex ia or Ex ib versions:

MARECHAL ELECTRIC

Address : .....

Type : DXN25C

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\*

IP66/67

IECEX LCIE 14.0040 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



## IECEX LCIE 14.0040X issue 00 Attachment



Temperature table :

Ambient temperature	Temperature class	Surface temperature
$-40\text{ °C} \leq T_a \leq +40\text{ °C}$	T6	T51°C
$-40\text{ °C} \leq T_a \leq +60\text{ °C}$	T5	T71°C

Conditions of certifications:

1. Ambient temperature:

-  $40\text{ °C} \leq T_{amb} \leq +60\text{ °C}$

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.