



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 16.0001X	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2016-05-13	Page 1 of 4	
Applicant:	MARECHAL ELECTRIC 5, avenue de Presles 94417 SAINT MAURICE CEDEX France		
Electrical Apparatus: Optional accessory:	Compact connector		
Type of Protection:	Ex e, Ex tb		
Marking:	Ex e IIC T6 Gb Ex tb IIIC T72°C Db IECEx LCIE 16.0001 X		
Approved for issue on behalf of the IECEx Certification Body:	Marie-Elisabeth d'Ornano		
Position:	Director for Certification		
Signature: (for printed version)			
Date:	<u>13/05/2016</u>		

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".





IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 16.0001X

Date of Issue: 2016-05-13

Issue No.: 0

Page 2 of 4

Manufacturer: **MARECHAL ELECTRIC**
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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
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/ExTR16.0001/00

Quality Assessment Report:
FR/LCI/QAR09.0002/07



IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 16.0001X

Date of Issue: 2016-05-13

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The compact connector type PNCX is made of a socket-outlet and an appliance inlet in plastic which are equipped with a plug cap.
When the adaptor plate is used, accessories of already certified industrial plug and socket type DXN1 are mounted (IECEx LCI 09.0005X).
The devices must be imperatively connected and disconnected without voltage (warning label on the product).
This connector includes 5 pins with one for earthing connection.
The electrical connection is protected by the type of protection increased safety "e".
This connector is for an industrial use with 250V for maximal voltage (DC or AC) and 5A for maximal current.

See annex 01 to certificate IECEx LCIE 16.0001 X issue 00 for the range details.

Routine verification and routine tests:

According to clause 7.1 of standard IEC 60079-7 each above apparatus shall be submitted before delivery to a dielectric strength test under 1500 Volts (carried out in accordance with clause 6.1).

CONDITIONS OF CERTIFICATION: YES as shown below:

The connection of conductors shall be done according to instruction notice of manufacturer.
For safe installation and safe use, refer the instructions manual of the manufacturer.
In panel mounting configuration, the enclosure shall be in compliance with IEC 60079-7.



IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 16.0001X

Date of Issue: 2016-05-13

Issue No.: 0

Page 4 of 4

EQUIPMENT(continued):

Marking:

MARECHAL ELECTRIC

Adresse: ...

Type : PNCX

Serial number : ...

Year of construction : ...

Ue: 250V max Ie: 5A max

Ex e IIC T6 Gb

Ex tb IIIC T72°C Db

IP66/67



-20°C ≤Ta ≤+70°C

IECEx LCIE 16.0001 X

WARNING - DO NOT OPEN WHEN ENERGIZED

WARNING - DO NOT SEPARATE WHEN ENERGIZED

RANGE DETAILS

Designation		+	Designation	+	Designation	+	Designation
FEMALE ACCESSORIES			SOCKET-OUTLET		INLET		MALE ACCESSORIES
Handle							Handle
Adaptor plate + DXN1 accessories (with specific color ring or flat gasket)							Adaptor plate + DXN1 accessories (with specific color ring or flat gasket)
Enclosure already certified Ex e and/or Ex tb (depend on the end use)	Plug cap or accessories gasket						Enclosure already certified Ex e and/or Ex tb (depend on the end use)
Crosspiece (inside an enclosure)							Crosspiece (inside an enclosure)

Note :

When the adaptor plate is used, accessories of already certified industrial plug and socket-outlet type DXN1 are mounted (Certificate of conformity IECEx LCI 09.0005 X).