

## Dust surface temperature marking

Flammable dust have specific self-ignition temperatures.

Electrical products must bear the indication of their maximum surface temperature, in a specified maximum ambient temperature (Ta). This temperature takes into account the layer of dust likely to accumulate on the accessory. Indication is given by a capital "T" followed by the surface temperature in °C, to distinguish it from the gas temperature class, e.g.: T107 °C.

### Example of marking for a DXN1

Listed manufacturer and production site

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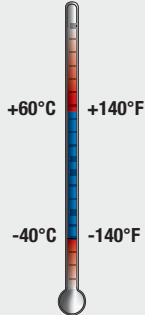
**MARECHAL ELECTRIC MAROMME**

**Ex** II2 G D    **Ex de IIC**    **tD A21**

**-40 °C ≤ Ta ≤ +60 °C    T5    T90 °C**

**-40 °C ≤ Ta ≤ +40 °C    T6    T70 °C**

**IECEx LCI 09.0005X / LCIE 99 ATEX 6027 X**



**Ex** Product intended for explosive atmospheres

**II** Product of group II = surface industry applications

**2** Product of category 2 = for zones 1 and/or 21

**G D** Nature of atmosphere:  
G: Gas and D: Dust

**Ex** Protection against explosions  
Gas standards: IEC/EN 60079-0, -1 & -7  
Dust standards: IEC/EN 60079-31, IEC/EN 61241-0 & -1

**de** Combined protection mode d & e  
d: flameproof enclosure (IEC/EN 60079-0 & -1)  
e: increased safety (IEC/EN 60079-0 & -7)

**IIC** Product of group IIC:  
(Hydrogen, acetylene, ethyl nitrate)

**tD** Mode of protection against dust:  
tD = protection by enclosure

**A21** IP test for zone 21: IP6X

**T5/T6** Gas surface temperature  
T6 : ≤ 85 °C with Ta between -40 °C and +40 °C  
T5 : ≤ 100 °C with Ta between -40 and +60 °C

**T °C** Dust surface temperature  
Surface T° ≤ 70 °C with Ta between -40 °C & +40 °C  
Surface T° ≤ 90 °C with Ta between -40 °C & +60 °C

**LCIE 99 ATEX 6027 X** ATEX certificate number provided by notified body (LCIE-Veritas)

**IECEx LCI 09.0005 X** Certificate of conformity to IEC standards (Certification scheme IECEx)

**X** Indication of particular condition(s) of use, if any

This marking is completed with the following indications (e.g.: DXN3 sticker):

Type - Part number

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Contact configuration – main circuit

Assigned voltage


Nominal current

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CE marking = compliance with European Directives - Identification of the notified body (0081 = Veritas LCIE)

**DXN3**                      **2534017972**

<b>3P+N+T</b>	<b>+2AUX.</b>
<b>Ue 400 V 50Hz</b>	<b>550V</b>
<b>Ie 32A</b>	<b>5A</b>



**0081**

**IP66/IP67**

**19/11**

Contact configuration secondary circuit (if any)

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IP rating

Week / year of manufacture