

European Directive 94/9 CE

New ATEX equipment classification

Directive 94/9 CE defines a new of hazardous zones, with a distinction between gas (G) or dust (D) atmospheres. As a result, it introduces the existence of zones 20, 21 and 22 corresponding to dust environments and the concept of categories 1, 2 and 3 for equipment.



NEW ATEX CLASSIFICATION

Zones	0	20	1	21	2	22
Type of atmosphere	G	D	G	D	G	D
Potentially explosive atmosphere	Continuous presence		Intermittent presence		Occasional presence	
Equipment category	1		2		3	

New ATX product marking


As of July 1st, 2003, all electrical equipment for potentially explosive atmospheres sold within the European area must have "ATEX" certification and, as a result, bear the standard ATEX marking on the product nameplate, in accordance with the new European product classification.

CHARACTERISTICS OF PRODUCT MARKINGS (FOR EXAMPLE, FLUORESCENT CAT. NO 0965 55)

Environment	Gas	Dust
Marking CENELEC marking IEC marking Temperature class Surface temperature EC type-examination certificate IEC certificate Ambient temperature Protection index	CE 0081  I I 2 G EEx d IIC Ex d IIC T4 or T5 LCIE 98 ATEX 6004 LCIE Ex 98.012 -20 °C Ta 55 °C IP66 - 67 / IK10	CE 0081  I I 2 D DIP A 21 TA = 85°C T = 85 °C



New elements in ATEX marking

The new ATEX elements circled in red on the two examples herewith are an addition to the former CENELEC and IEC markings.

Amiens - FRANCE CE 0081  I I 2 D - T = 85°C LCIE 02 ATEX 6067	Type FLP IP 66/67 - IK10 - 20°C Ta > 55°C	096540 2 x 36 W 230 V 50 Hz - 0.45 A N° 0312345
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Label for "e" fluorescent lamp Cat. No. 096540: for use in dust area.

Amiens - FRANCE Ex eds IIC T4 LCIE Ex 98.012 DIP A21 Ta = 85°C	Type FLe N° 03123456 220/240V 50/60 Hz - 0.35A CLASS 1 IP 66/67 - 20°C Ta 55°C	096555 2X36W (CEI 61-1)
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CE 0081  I I 2 G - EEx ed IIC T4 I I 2 D - T 85°C	LCIE 98 ATEX 6004 	Lampe à culot G13 G13 socket lamp Lampenfassung G13 Casquillo G13
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Labels for "e" fluorescent lamp Cat. No. 096555 : for use in gas and dust.