

ATEX Flameproof and Dust Certifications (English)

1. Marking information



KEMA 08ATEX0004

- II 1/2 G Ex d IIC T6 T_{PROCESS} = 85 °C -30 °C ≤ Tamb ≤ +75 °C IP66 / 67
 II 1/2 G Ex d IIC T5 T_{PROCESS} = 100 °C -30 °C ≤ Tamb ≤ +80 °C IP66 / 67
 II 1/2 G Ex d IIC T4 T_{PROCESS} = 110 °C -30 °C ≤ Tamb ≤ +80 °C IP66 / 67
 II 2 D Ex tD A21 IP66 / 67 T85 T_{PROCESS} = 85 °C -30 °C ≤ Tamb ≤ +75 °C
 II 2 D Ex tD A21 IP66 / 67 T100 T_{PROCESS} = 100 °C -30 °C ≤ Tamb ≤ +75 °C
 II 2 D Ex tD A21 IP66 / 67 T110 T_{PROCESS} = 110 °C -30 °C ≤ Tamb ≤ +75 °C

2. Applicable standards

- EN 60079-0: 2006 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
- EN 60079-1: 2007 Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures "d"
- EN 60079-26: 2007 Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
- EN 61241-0: 2006 Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
- EN 61241-1: 2004 Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"
- EN 60529:1992 Degree of protection provided by enclosures (IP code)

3. Instruction for safe use

- 3.1** To maintain the degree of protection of at least IP 66 in accordance with IEC 60529, suitable cable entries must be used and correctly installed. Unused openings must be closed with a suitable stopping plug.
- 3.2** Use supply wires suitable for 5 °C above surrounding ambient.
- 3.3** When Model No. is given with GTXxxx-x ... x-yx ... x-x ...,
 if y=A, the thread type of the end of all entries is 1/2NPT, or
 if y=B, the thread type of the end of all entries is M20.

4. Special conditions for safe use

- 4.1** The barrier diaphragm shall not be subjected environmental conditions which might adversely affect the partition wall.
- 4.2** Repairs of flameproof joints are allowed only by manufacturer.
- 4.3** The equipment must be returned to the manufacturer in case of failure.

IECEx Flameproof and Dust Certifications (English)

1. Marking information

IECEx KEM 08.0001

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Ex tD A21 IP66 / 67 T85 T_{PROCESS} = 85 °C -30 °C ≤ Tamb ≤ +75 °C

Ex tD A21 IP66 / 67 T100 T_{PROCESS} = 100 °C -30 °C ≤ Tamb ≤ +75 °C

Ex tD A21 IP66 / 67 T110 T_{PROCESS} = 110 °C -30 °C ≤ Tamb ≤ +75 °C

2. Applicable standards

- IEC 60079-0:2004 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
- IEC 60079-1:2007 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
- IEC 60079-26:2006 Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
- IEC 61241-0:2004 Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
- IEC 61241-1:2004 Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"
- IEC 60529:2001 Degree of protection provided by enclosures (IP code)

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