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Métrologie environnementale Recherche - Analyses Essais - Expertises

VARIATION

EC TYPE EXAMINATION CERTIFICATE N^{R} ISSeP08ATEX027X/2

(14) Equipment or protective system:
Flow switches type M...

(15) Object of the variation:
- To permit other temperature classes in relation to other temperature ranges
- Changing of the compound for DURALCO 4461 for high temperature models
- The codes become :
  - Ex ia IIC T6…T3 Ga
  - Ex ia IIIC T95°C…T175°C Da

Electrical parameters: Unchanged

Eventual prescriptions: Tamb : up to +149°C

(16) Report n^{r} : 14112 of 18.12.2014

Composed in total of 10 pages, completed with the following documents:

- "M-50X Explosion Proof Flow Switch with In-line Flow", DOC# M-50X DS 418121 (7 pages)
- "M-60X Explosion Proof Flow Switch with In-line Flow", DOC# M-60X DS 418121 (7 pages)
- "M-100X Explosion Proof Adjustable Flow Switch with Right Angle Flow", DOC# M-100X DS 418121 (7 pages)
- "M-200X Explosion Proof Adjustable Flow Switch with Right Angle Flow", DOC# M-200X DS 418121 (7 pages)
- The drawings

Number	Rev.	Date	Description
LABEL-ATEX-A-009	000	16.12.2014	M-100X Label
LABEL-ATEX-A-010	000	16.12.2014	M-200X Label
LABEL-ATEX-A-011	000	16.12.2014	M-50X/60X Label

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(17) Special conditions for safe use:
The conditions imposed by the original certification are modified as follow:

Symbol X

- The integral cable connection shall be done either in non-hazardous area, or in an enclosure assuring a normalized protection mode.
- The material shall be supplied by a certified associated apparatus having the following maximum electrical parameters: 30V and 0.7W.
- The temperature classification in relation to the ambient temperature range :

Ambient temperature range	Temperature class for Gas	Temperature class for Dust
- 40 °C to + 60 °C	T6	T95°C
- 40 °C to + 75 °C	T5	T95°C
- 40 °C to + 117 °C	T3	T140°C
- 40 °C to + 149 °C	T3	T175°C

- The metallic enclosure shall be connected to earth.
- All precautions shall be taken in order to avoid all impacts or frictions on the aluminum parts of the enclosure which can induce the ignition of the explosive atmosphere.

(18) Essential Health and Safety Requirements: Covered by the Standards listed in the variation 1

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