

(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE No ISSeP05ATEX030

(15) Description of the equipment:

Thermatel level or flow sensor – models TD1 / TD2

This apparatus consists of:

- an aluminium alloy or stainless steel housing containing the electronic equipments
- a bushing of wires screwed on the base of the housing
- a detector fixed directly on the bushing or via an extension tube

This apparatus bears the type designation: T D X - X X X X - X C X

Temperature classes

The temperature class is T5 when the apparatus is used in the ambient temperature range -40°C up to $+40^{\circ}\text{C}$.

The temperature class is T4 when the apparatus is used in the ambient temperature range -40°C up to $+70^{\circ}\text{C}$

Electrical parameters

Model TD1

- $U_m = 24 \text{ V}$
- For the relay : $U_m = 24 \text{ V}$

Model TD2

- $U_m = 250 \text{ VAC}$ or 24 VDC
- For the relay : $U_m = 250 \text{ VAC}$, $I_m = 5 \text{ A}$

Routine test

- The manufacturer shall make the routine verifications and tests necessary to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype.
- The housings are exempted from the overpressure routine test; however the extension tube with its detector shall be submitted to an overpressure test under the value of minimum 20 bar during at least 10 sec. (max 60 sec).
- Each transformer shall be submitted to voltage tests as prescribed at clause 11.2 of EN 50020:2002. The test voltage between the primaries and the secondaries shall be at least 2500 V.

(16) Report no 04073 of 15.06.2005 composed in total of 47 pages.

The manual of instructions Ref. Bulletin : 54-610.0 of March 2005

The drawings

094-5055 of 17.03.2005 signed on 19.05.2005 (sheet 1 of 2)

094-5055 of 22.12.2003 signed on 19.05.2005 (sheet 2 of 2)

09-9326-001 Rev A signed on 10.03.2005 (6 pages)

030-3596 of 26.01.2005 signed on 21.03.2005 (2 sheets)

009-6268 of 27.01.2005 signed on 21.03.2005 (2 sheets)

094-5039 of 4.12.2003 signed on 19.08.2004 (2 sheets)

09-9306-001 Rév C du 12.04.2004 signed on 23.04.2004 (6 pages)

030-3581 of 3.12.2003 signed on 19.08.2004

094-5040 of 3.12.2003 signed on 23.04.2004

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SCHEDULE

EC TYPE EXAMINATION CERTIFICATE No ISSeP05ATEX030

- (16) 09-9308-001 Rev. B of 12.04.2004 signed on 23.04.2004 (4 pages)
030-3583 of 4.12.2003 signed on 19.08.2004
094-5041 of 22.12.2003 signed on 19.08.2004 (2 pages)
09-9309-001 Rev.B of 12.04.2004 signed on 23.04.2004 (6 pages)
030-3584 of 22.12.2003 signed on 19.08.2004
99-7019 of 3.03.1999 Rev. H signed on 7.06.2005 (8 sheets)
99-7215 of 6.01.2004 signed on 23.04.2004 (2 sheets)
99-7216 of 24.02.2004 signed on 7.06.2005
- (17) Special conditions for safe use: none
- (18) Essential Health and Safety Requirements: covered by the standards listed at point 9 and by the descriptive documents of the manufacturer

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