



(1) **EC-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**
- (3) Examination certificate number: **SEV 13 ATEX 0179 X**
- (4) Equipment: Emergency call phone
Type: LMK70-ATEX (ZONE 0)
LMK70-ATEX (ZONE 0/20)
ATEX-BARRIERE
- (5) Manufacturer: Leitronic AG
- (6) Address: Engelloostrasse 16, CH-5621 Zufikon
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Electrosuisse SEV, notified body No. 1258 in accordance with article 9 of the Council Directive of the European Communities of 23 March 1994 (94/9/EC), certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The results of the examination are recorded in confidential report no. 13-Ex-0061.01.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
EN 60079-0:12 + A11:13 EN 60079-11:12 EN 60079-26:07
- (10) If the sign «X» is placed after the certificate number, it indicates that the equipment or protective system is subjected to special conditions for safe use specified in the schedule to this certificate.
- (11) This examination certificate relates only to design and construction of the specified equipment in accordance with the directive 94/9/EC. Further requirements of this directive apply to the manufacturing process and the placing on the market of the equipment.
- (12) The marking of the equipment shall include the following:

See page 3 (19) Marking



**Electrosuisse
Notified Body ATEX**

Martin Plüss
Product Certification



SCESB 035

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(13) **Appendix**

(14) **EC-Type Examination Certificate**

(15) Description of the equipment

The Devices from Leitronic are conceived as a tele-alarm call system. In case of activation they build up a connection to an alerting post. Additionally there are some other telephone stations. The system consists a combination with "ATEX-BARRIERE" and up to two "LMK70-ATEX". The "LMK70-ATEX" exist in two versions one with a simple plastic enclosure, that provide an ingress protection of IP20. This is intended to mount behind a front panel for additional protection. For heavier application there is a version built in a massive dust tight aluminium enclosure with additional ingress protection of IP64. The "ATEX-BARRIERE" itself is not intended to install in an dangerous area.

Um 8 ... 35 VDC

(16) Test Report 13-Ex-0061.01

(17) Special conditions for safe use

1. The LMK70-ATEX (ZONE 0) and LMK70-ATEX (ZONE 0/20) are only intended for use together with the ATEX-BARRIERE certified in the certificate SEV 13 ATEX 0179 X
2. For the connection cables between the following values of remains:

Maximum cable inductance of connecting cable:		
Gas-Group	One LMK70-ATEX	Two LMK70-ATEX
IIC	0.55 mH	0.2 mH
IIB	4.15 mH	3.8 mH
IIA	8.15 mH	7.8 mH

Maximum cable capacitance of connecting cable:		
Gas-Group	One LMK70-ATEX	Two LMK70-ATEX
IIC	32 µF	21 µF
IIB & IIA	489 µF	478 µF

3. The maximal ambient temperature range is 0 °C ... +40 °C

(18) Fundamental essential health and safety requirements

Fulfilled by the standards applied.

(19) Marking:

 I 1 G Ex ia IIC T4 Ga

resp.

 II 1 GD Ex ia IIC T4 Ga
Ex ia IIIC T 60 °C Da IP64

resp.

 II (1) GD [Ex ia] IIC
[Ex ia] IIIC



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