SUPPLEMENT 3 TO EC-TYPE EXAMINATION CERTIFICATE

[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 02ATEX059X

[15] Description of Equipment or Protective System

This certificate is extended to include changes in Safety Parameters.

Type Designations

MT53H79B-56

Safety Parameters for Intrinsic Safety

U_i = 17V, I_i = 110mA, P_i = 190mW, Li=16mH, Ri=263Ω Li/Ri = 61μH/Ω

Ingress Protection Code

IP20 according to EN 60529.

[16] Report No. 28448

Descriptive Documents

Name/Title	Drawing No.	Rev.	Date	Sheets
K168V01	---		2004-07-02	1

Routine Test

None

[17] Special Conditions for Safe Use

The values stated for U_i and I_i assume that the supply from the belonging apparatus with resistive linear current limited intrinsically output have the maximum available power P = 1,3W.

No other inductive load, except that of the headset, must be connected to the resistive current limited output.

I_i indicates the total flow of current for the loudspeaker connection from the belonging apparatus.

[18] Essential Health and Safety Requirements

See item 9

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(E)

Peltor MT53H79B-56 headset

ATEX-approved headset; the earphones have a connection impedance of 165 ohms and a 1.25-m polyurethane cord with a 7-pole Amphenol C16-1 connector.
Weight: Approx. 420 g, not including the cord.
This Peltor headset has been tested and approved according to PPE directive 89/686/EEC and EMC directive 89/336/EEC, which means that it meets the demands for CE marking.
High-attenuating headset (hearing protector with electronic sound input) for use in extremely noisy environments. Read these instructions carefully to ensure the best possible benefit from your Peltor product.

A) QUALITIES

1. Neckband (MT7H79B) for situations where the headband must not be in the way.
2. Individually sprung headband wires of stainless sprung steel provide an even distribution of pressure around the ears. Steel headband wires retain their resilience better than plastic through a wide temperature range.
3. Low, two-point fasteners and easy height adjustment with no protruding parts.
4. Soft, wide foam and fluid-filled sealing rings with built-in pressure-evening channels provide low pressure, effective sealing and ideal comfort.
5. Earphones that provide excellent sound reproduction even in noisy environments.
6. Connection cord, insulated with flexible polyurethane and with a moulded connector.
7. Electret microphone with high noise suppression. Easy to replace with a connector.

NOTE
Special regulations for safe usage
The Ex certificate contains restrictions about electronic data for connected equipment.

MT53 MICROPHONE

Type:	Electret differential microphone
Frequency range:	100–10,000 Hz ±6 dB
Sensitivity as a lip microphone:	380 mV / 220 ohms
Impedance:	<680 ohms
Noise suppression:	28 dB at 1 kHz

EARPHONE

Type:	Dynamic FERNSIG 5620.0.3030
Impedance:	330 ohms
Max output, continuous:	190 mW

C) INSTALLATION/SETTINGS

Neckband B (fig. D)
(D:1) Adjust the cups so that the ears are completely surrounded by the ear cushions.
(D:2) Adjust the height using the headband until you have a snug, comfortable fit.
(D:3) The headband should lie across the top of the head.

IMPORTANT USER INFORMATION

100% use of a working hearing protector is the only sure protection from hearing loss.
If you spend time in environments with more than 85 dB A-weighted noise, you need to protect your hearing, because the hearing receptors deep in your ears may be irreparably damaged. If you remove the protectors for even a tiny portion of the time you spend in noisy situations, you are in the danger zone.
A comfortable hearing protector designed for the specific noise level in which it is used is the best guarantee that you will wear the hearing protector 100% of the time, thereby ensuring protection from permanent hearing loss.

- **Ex approval does not apply if technical changes are made in ex-approved products. Only accessories with the same type designation as the original equipment may be used.**

- For the best protection, brush aside hair around the ears so the sealing rings fit snugly against the head. Spectacle frames should be as thin as possible and fit close to the head.
- For maximum noise compensation, the microphone must be placed about 3 mm from the lips.
- Clean the outside of the headset regularly with soap and warm water. **Note: Do not immerse in fluids!**
- Despite its quality, the headset can wear out over time. Inspect it regularly to ensure that there are no cracks or sound leakage, which will reduce its function. If used continuously, check the sealing rings often.
- Do not store the headset in temperatures exceeding +55°C, for example in a windscreen or window.
- Certain chemical substances may be harmful to this product. Contact the manufacturer for more information.

(F) INPUT SIGNAL/PERIOD OF USE
Warning: The sound level from the earphones in this hearing protector can lead to a daily exposure that exceeds the permitted levels. The audio signal in the earphones must therefore be adapted to the usage time. To prevent harmful levels, the input signal should not exceed 377 mV. At a higher input voltage, the usage time must be decreased according to diagram D (x=377 mV). An electrical input signal level of 377 mV corresponds to 82 dB (A) equivalent sound level (average value plus one standard deviation of the measured sound level. See table J). Note: The maximum output effect of the earphones must not be exceeded.

(G) ATTENUATION VALUES
The hearing protector telephone is tested and approved according to PPE directive 89/686/EEC and applicable parts of the European EN 352-1:1993 standard. Attenuation values from the test report for certificate issued by the Department of Physics, Finnish Institute of Occupational Health, Topeliuksenkatu 41, FI-00250 Helsinki, Finland, ID# 0403.

Explanation of the attenuation value table: 1) Frequency in Hz. 2) Average attenuation in dB. 3) Standard deviation in dB. 4) Average Protection Value.

ACCESSORIES

Not intended for use in Ex-classified areas

MT9 Throat mike
Easy to connect and use when you don't w mike.

HYM1000 Mike protector
Moisture, wind and hygienic protection, whicl and increases the microphone's life span. Pa for about 50 replacements.

M995 Wind muffler for MT53 mike
Effective protection against wind noise. Boost protects the microphone. One muffler per pacl

HY100A Clean single-use protector
Hygienic single-use protector that is easy to c rings. Packages of 100 pairs.

TKFL01 Attachment clamp
Used when necessary to attach the cord to yo

FP9007 Storage bag for headset
Protects your headset during transport and stc

SPARE PARTS
HY79 hygiene kit
Easy to replace hygiene kit for headsets. Con attenuating cushions and snap-in sealing rings. often to ensure constant attenuation, good hy For continuous use, replace at least twice a ye

MT53 Microphone
Electret microphone, easy to connect to the he