

6 LME 01

Line Monitoring Unit



Features and Functions

- Impedance monitoring of six loudspeaker or flashing warning beacon lines with adjustable discrepancy value
- Line monitoring functions
 - Short circuit
 - Line break
 - Impedance error
 - Ground leakage
- Cutting off the line in case of a short circuit
- Adjustable measuring cycle
- Selectable measuring frequency

The 6 LME 01 line monitoring unit is a part of the INDUSTRONIC communication and public address system with digital interfaces. It is especially designed for the use in public address and sound systems for emergency purposes with increased safety requirements on the reliable functioning of speaker or flashing warning beacon circuits.

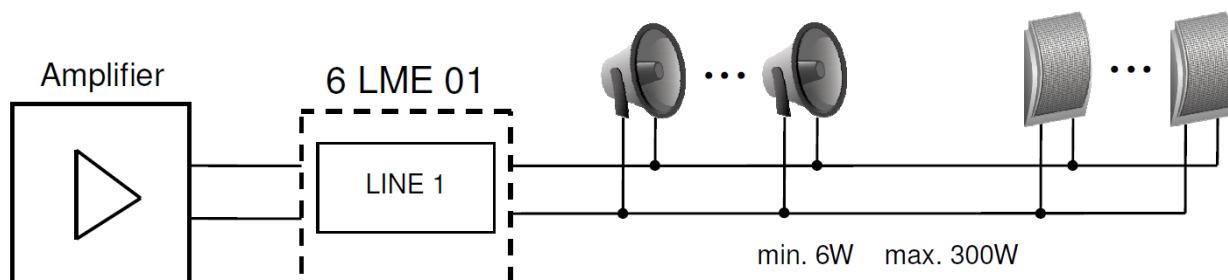
The data of the monitored line is configured via an intuitive Windows® software. In the event of a short circuit the faulty circuit will be cut off from the power supply or amplifier. Occurring failures are indicated at the front panel via LEDs.

Additional Features

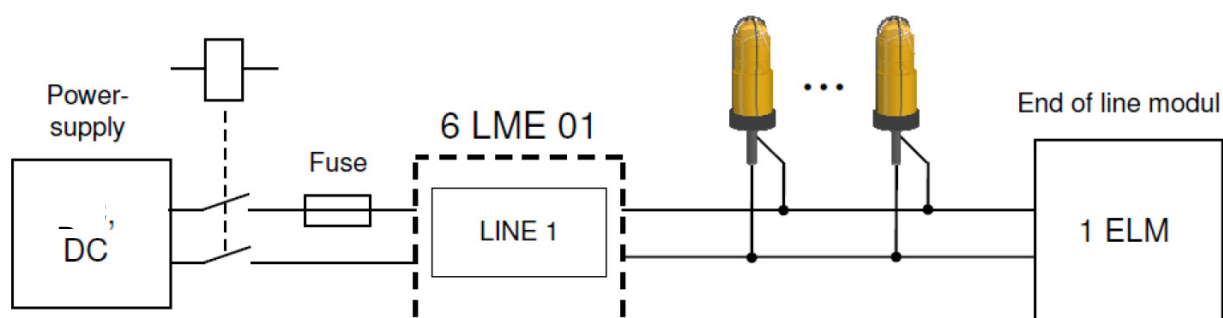
- 6 individual monitoring units
- Configuration software for Windows® 7 and Windows® 10

Mechanical Data

• Design	Plug-in board 19"
• Width x height x depth	6 HP x 3 RU x 160 mm (6.30")
• Weight	Approx. 0.3 kg (approx. 0.66 lbs)
• Connections	F48-type plug, 9-Pin D-sub male connector for configuration interface



Example 1: Loudspeaker monitoring



Example 2: Flashing warning beacon monitoring

Electrical Data

• Supply voltage	22 VDC to 26 VDC
• Current consumption	Max. 180 mA
• Inputs	"MES START" "MES INT"
• Outputs	"MES AKT" "ERROR"

Speaker Lines (Example 1)

• Speaker level	100 V _{RMS}
• Power of each speaker line	6 W to 300 W at 100 V _{RMS}
• Impedance of each line	1666 Ohms to 33 Ohms

Flashing Warning Beacon Lines (Example 2)

• DC load voltage	Max. 72 VDC
• DC load current of each line	Max. 5 A at 24 VDC Max. 5 A at 48 VDC Max. 3 A from 60 VDC to 72 VDC
• Adjustment of impedance deviation	+/-5 % to +/-50 %
• Measurement frequency	50 Hz / 80 Hz
• Measurement cycles	1 min, 10 min, 1 h, 6 h, 12 h

Environmental Requirements and Standards

• Ambient temperature during operation	-5 °C to +50 °C (23 °F to 122 °F)
• Storage temperature	-25 °C to +80 °C (-13 °F to 176 °F)
• Relative humidity (non-condensing)	Max. 95 %
• EMC	IEC / EN 61000-6-2 IEC / EN 61000-6-4

Order Data
Type Number

 304-110-300

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