

LUIS AVAS – Acoustic Vehicle Alerting System

120000

Product data sheet

Version: 1.0





PRODUCT OVERVIEW

- › Connections +12V DC, GND, CAN_H, CAN_L
- › Operating temperature -40°C bis +85°C
- › Storage temperature -40°C bis +85°C
- › Operating voltage 9-16 V
- › Current consumption max. 300 mA
- › Protection class IP67
- › Soundlevel at 12V/1m 60-80 dB
- › RoHs, ECE R10, FCC

APPLICATION PURPOSES

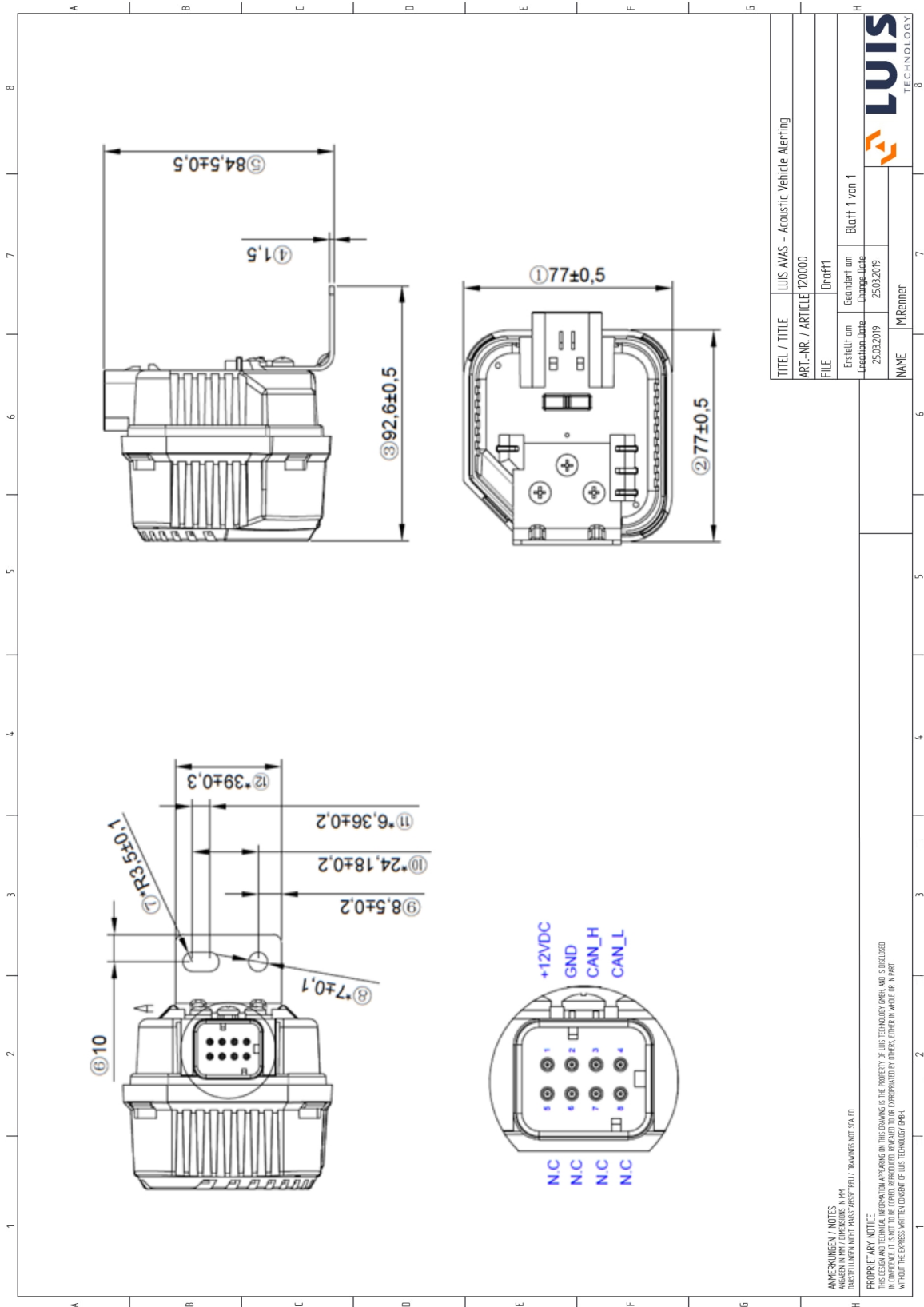
- › Sends an audible warning

MEASURES & WEIGHT

- › Measures: L77 x B77 x H62 mm
- › Weight : 180 g

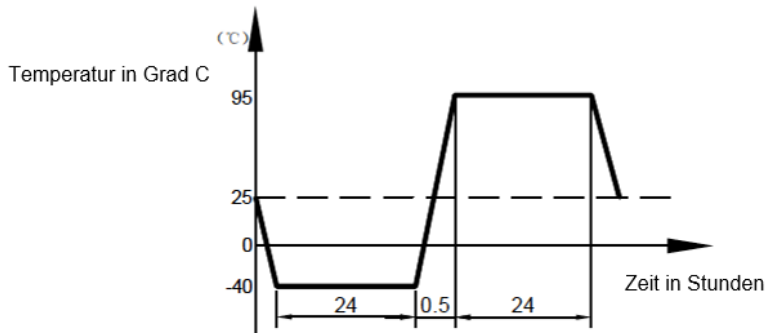
INCLUDED IN DELIVERY

- › LUIS AVAS

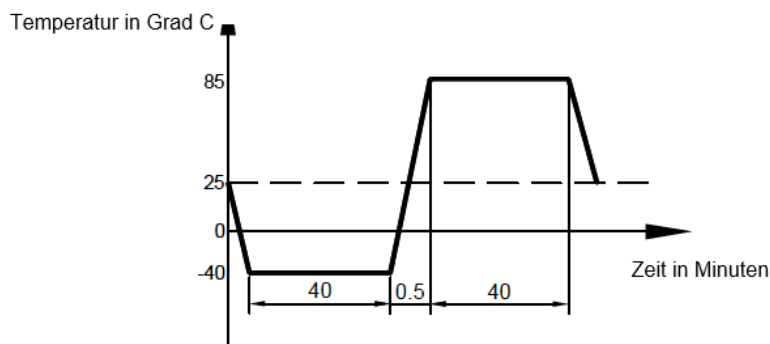


Temperature test

(1.) Storage in high and low temperature range



(2.) Storage in high and low temperature range



(3.) High temperature range during operation

Operating voltage	12V DC
Temperature	+85 °C
Duration	96 hours

(4.) Low temperature range during operation

Operating voltage	12V DC
Temperature	-40 °C
Duration	24 hours

(5.) Damp-heat-test

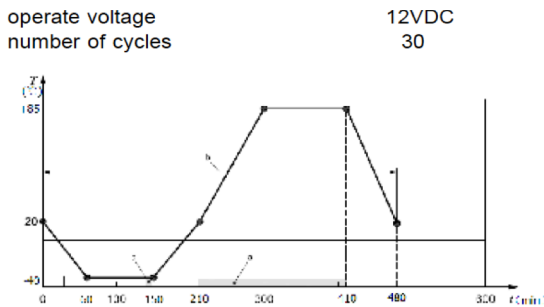
Duration	21 days
Difficulty	(40±2) °C and (93±3)% Humidity
Operating voltage	12V DC
Operation	Last test hour

(6.) High-temperature life test

Temperature	+85 °C
Operating voltage	16V DC
Duration	1.200 hours

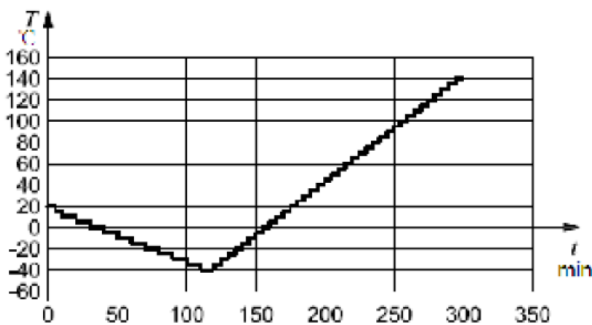
(7.) Temperature changes

Operating voltage	12V DC
Number of passes	30



(8.) Temperature changes

Lowering the temperature in steps of 5°C from +20 °C to -40 °C, then increasing the temperature from -40 °C to +85 °C.
Function tests acc. ISO 16750-1 in the lowest voltage range of 9V DC and to ISO 16750-2 in the highest voltage range of 16V DC.



SYSTEM SPEZIFIKATIONS

Connections	12VDC, GND, CAN_H, CAN_L
Protection class	IP67
MIPS	8.800
On-Chip Memory	512 KB (64 KB Boot ROM)

MECHANICAL SPEZIFIKATIONS

Housing	Aluminum die casting
Soundlevel	12V/1m 60-80 dB
Operating temperature	-40 °C to +85 °C
Storage temperature	-40 °C to +85 °C

ELECTRICAL SPEZIFIKATIONS

Operating voltage	9-16 V
Current consumption	max. 300mA

CERTIFICATION

ECE R10	E9-10R-05 11486
RoHS	Compliant acc. EU-Richtlines 2011/65/EU
FCC	Compliant acc FCC Part 15, Supart B, ANSI C63.4: 2014

DISCLAIMER OF LIABILITY

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