



BRIEF INFORMATION

Electromechanical horn S92

- › Ideal for all kinds of commercial vehicles
- › Rich tone and effective signal sound for road safety
- › Block coating protection on diaphragm and housing
- › Practice-proven durability and service life

PRODUCT FEATURES

Application

Signal horns are a mandatory part of the safety equipment of a vehicle.

A particularly perceptible sound is necessary in order to be able to warn other road users efficiently in dangerous situations. Our signal horns offer you a high level of functional reliability.

Design and function

Signal horns are powered by the battery current pulse, which is normally transmitted via a voltage pulse controlled by the steering wheel.

The current signal is sent to a relay, on which the the entire control current is transmitted so that no voltage dips occur. As the signal horn is powered by the electric current, a magnetic field is generated which attracts a metal core (shaft) together with a steel membrane. This magnetism causes vibrations that are converted by varying resonances to produce low or high tones.



TECHNICAL DETAILS




Technical data	
Operating voltage range	Single-voltage (11 – 15 V or 22 – 28 V)
Rated voltage	12 V or 24 V
Current consumption	Max. 5.0 A (12 V) Max. 3.0 A (24 V)
Power consumption	60 W (12 V) 72 W (24 V)
Diameter	92 mm
Material	Housing: Metal
Protection class	IP 54
Lifetime	100,000 cycles
Temperature range	-40 °C to +85 °C
Approved	ECE-R28
Sound pressure level at 2 m	112 dB(A) ± 5 dB(A)
Frequency range	335 Hz (low tone) 435 Hz (high tone)

Dimensional sketch

Pin assignment / electrical connection

Splashwater-proof
DEUTSCH DT-connector 06-25

PROGRAM OVERVIEW

Product picture	Description	Part number	VPE*
	24 V, 335 Hz, low tone	3AL 012 588-097	48
	24 V, 435 Hz, high tone	3AL 012 588-087	48
	12 V, 435 Hz, high tone	3AL 012 588-117	48

* Packaging unit. Single packaging on request.