



# BRIEF INFORMATION

## DL50 Heavy Tone Disc Horn

- The most popular off-the-shelf horn for commercial vehicles
- Deep and penetrating warning signal
- Riveted assembly instead of screws to increase reliability
- Marathon Test: Continuous sound beeping test for 30 minutes\*

## PRODUCT FEATURES

### Application

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 optimally in dangerous situations. Our signal horns offer you a high level of functional reliability.

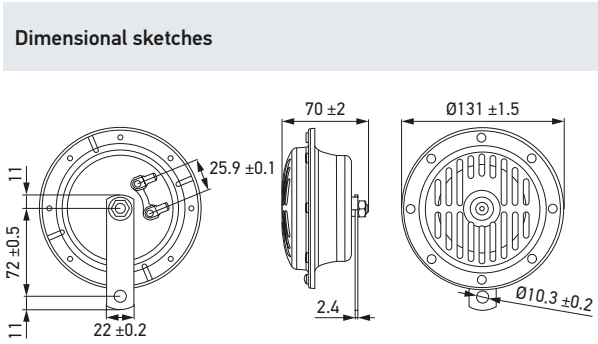
### Design and function

- The driver presses the "horn" on the steering wheel.
- The signal is sent via a relay, thus activating the electromagnet.
- The diaphragm of the horn is now attracted by the magnet, separating the Minus Pole from the battery so that the magnet loses its power – consequently, the diaphragm returns back to its rest position. However, this will reconnect the Minus pole, so this process will be repeated as long as the horn is pressed.
- When the horn is pressed, the vibrations are very fast and so produce the loud sound.



\* Sample testing data in the laboratory.

# TECHNICAL DETAILS

Technical data	
Short Code	DL50
Rated voltage	12 V or 24 V
Frequency range	310 Hz (low tone) 380 Hz (high tone)
Sound pressure level @ 2 m	114 ± 3 dB(A)
Power consumption	72 W per horn (12 V) 84 W per horn (24 V)
Current Consumption	Max. 6 A (12 V) Max. 3.5 A (24 V)
Operating temperature	-40 °C to +75 °C
Protection class	IP 65
Service life	100,000 cycles (ECE-R28)
Housing material	Metal
Type approval	ECE-R28



# PROGRAM OVERVIEW

Product picture	Description	Part number	Packaging unit
	12 V, 310 Hz, low tone	3CA 004 811-001	1 piece
	12 V, 380 Hz, high tone	3CA 004 811-011	1 piece
	24 V, 310 Hz, low tone	3CA 004 811-021	1 piece
	24 V, 380 Hz, high tone	3CA 004 811-031	1 piece
	12 V, 310 / 380 Hz	3CB 004 811-042	1 set
	24 V, 310 / 380 Hz	3CB 004 811-132	1 set