



## BRIEF INFORMATION

### S90 strong tone horn

- Fully shaped oscillator for optimal sound dispersion
- Optimal size/performance ratio
- Slim, matt black design with a red membrane

## PRODUCT FEATURES

### Application

Signal horns are a mandatory part of a vehicle's safety equipment. 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

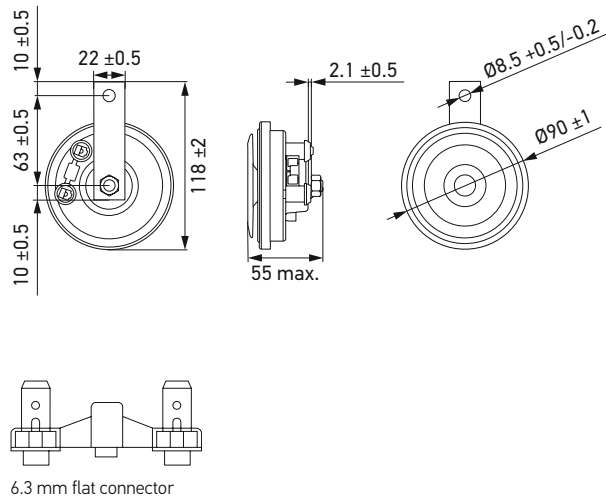
Horns are powered by battery current, which is normally controlled by the steering wheel via a control current. This is directed to a relay, which transmits the entire control current so that no voltage drops occur. The control current activates the solenoid in the horn and generates a magnetic field that attracts a metal core (armature) to which the steel diaphragm of the horn is fastened. In an attracted state, the power supply is interrupted, the magnetic field breaks down, the armature and diaphragm move back to the rest position and the power supply is re-established. The process then begins again. This causes an oscillation, which can be heard as a low or high sound.

# TECHNICAL DETAILS


## Technical data

Diameter	90 mm
Operating voltage	12 V
Power consumption	42 W
Current consumption	3.5 A max.
Operating temperature	-40 °C to +90 °C
Protection class	IP X9K, IP X7
Housing material	CRCS class EDD
Frequency range	350 / 415 Hz
Sound pressure level @ 2 m	113 dB (A)
Lifetime	50,000 cycles
Type approval	ECE R28

## Dimensional sketch



# PROGRAM OVERVIEW

Product image	Description	Part number	VPE*
	12 V, 315 Hz, low tone, 6.3 mm flat connector	<b>3AM 922 100-267</b>	40
	12 V, 415 Hz, high tone, 6.3 mm flat connector	<b>3AM 922 200-617</b>	40
	12 V, 350 Hz, low tone, DEUTSCH connector	<b>3AM 922 200-761</b>	1
	12 V, 350 Hz, low tone, DEUTSCH connector	<b>3AM 922 200-767</b>	40

\* Packaging unit