

Horns

In 1913 Bosch filed the first patent worldwide for automotive horns.

In 1919 we developed the buzzer system, which produced a continuous and uniform tone with a single diaphragm. This tone, however, made it difficult for other road users to estimate the

direction or proximity of the vehicle. Bosch later introduced a second diaphragm, the 'harmonic diaphragm', which enables other road users to better determine the position of the warning signal.

Later technological advancements led to more warning device technologies and types, such as compressed-air and electro-pneumatic fanfare horns.



Features and Benefits

- ▶ EMC protection (minimises disturbance in other electronic devices like radio, mobile phones, etc.)
- ▶ Corrosion-resistant horns
- ▶ Teflon Filter Technology (keeps out dirt and humidity, relieves pressure build-up inside)
- ▶ All-weather horns with external mounting

Europa

- ▶ World-class super-tone horns
- ▶ Premium quality
- ▶ Exclusive Bosch design
- ▶ Teflon Filter Technology for pressure compensation

FC4 Disc Standard

- ▶ Penetrating sound over long distances
- ▶ Galvanised steel for protection against corrosion, dust, and humidity

Impact

- ▶ Powerful sound output
- ▶ Attractive grill design
- ▶ Hydrophobic filter with Nitrile pipe to reduce instances of coil burn

Symphony Fanfare

- ▶ Pleasant tone
- ▶ Fracture-resistant plastic trumpet
- ▶ Easy horizontal or vertical mounting

EC9C Fanfare Wafer

- ▶ Features microporous Teflon filter for pressure compensation
- ▶ Facilitates vertical mounting for forward sound propagation and reduced water-pooling
- ▶ Comes with EMC protection
- ▶ Is weather-, impact-, and corrosion-resistant

Sharptone

- ▶ Compact design
- ▶ Application-specific mounting brackets

Offroader 100

- ▶ Repairable
- ▶ High-quality construction

Part Number	Product Image	Colour	Voltage	Current	Frequency	dB(A)	Diameter per horn (in mm)	Set / Single	MRP (₹)
Europa									
F 002 H50 911		Silver	12V	4.5A x 2	LT-300 Hz / HT-375 Hz	112-120	140X2	Set	2,000.00
F 002 H50 910		Black	12V	4.5A x 2	LT-300 Hz / HT-375 Hz	112-120	140X2	Set	1,825.00
F 002 H50 909		Silver	12V	4.5A x 2	LT-300 Hz / HT-375 Hz	112-120	140X2	Set	2,225.00
F 002 H50 904		Black	12V	4.5A x 2	LT-300 Hz / HT-375 Hz	112-120	125X2	Set	1,675.00
EC9C Fanfare Wafer									
6 033 FB1 510		Silver	12V	6A x 2	LT-420 Hz / HT-510 Hz	105-118	80X2	Set	2,527.00
Symphony									
F 002 H10 028		Black	12V	5A x 2	LT-420 Hz / HT-500 Hz	105-118	96X2	Set	665.00
FC4 Disc Standard									
0 986 320 191		Silver	12V	5A x 2	LT-335 Hz / HT-420 Hz	105-118	96X2	Set	790.00
Impact									
F 002 H10 187		Silver	12V	2.5A x 2	LT-360 Hz / HT-410 Hz	105-118	90X2	Set	775.00
F 002 H10 188		Red	12V	2.5A x 2	LT-360 Hz / HT-410 Hz	105-118	90X2	Set	775.00
Thriller									
F 002 H50 927		Silver	12V	3A x 2	LT-340 Hz / HT-440 Hz	100-115	90x2	Set	484.00
F 002 H50 932		Silver	12V	3A	HT-440 Hz	100-115	90	Single	247.00
Sharptone									
F 002 H50 940		Black	12V	2A	HT-430 Hz	90 - 115	74	Single	175.00
Offroader 100									
F 002 H10 255		Black	12V	2A	HT-440 Hz	100-125	100	Single	275.00
F 002 H10 257		Black	12V	2A x 2	LT-370 Hz / HT-440 Hz	100-125	100X2	Set	540.00
Mini									
0 986 AH0 003		Black	12V	2A	HT-450 Hz	90-115	75X2	Set	180.00

LT - Low Tone
HT - High Tone

Automotive Relays

Bosch Automotive Relays find application throughout the automobile, whatever the type and Model, because almost all vehicles use a 12V / 24V supply voltage. While this means that just

about everything – every circuit and application – needs a large amount of current to work because of the supply voltage, they also need Bosch Automotive Relays to function properly.



Features

- ▶ Meets Indian Standard IS 2077:1996
- ▶ Excellent sealing against water and dust – inserted moulded terminals, connector, and housing sealed with Araldite epoxy resin
- ▶ Good mechanical and dielectric strength – use of engineering plastic PA6 for housing and connector
- ▶ Optimised PCB design with voltage drop

Benefits

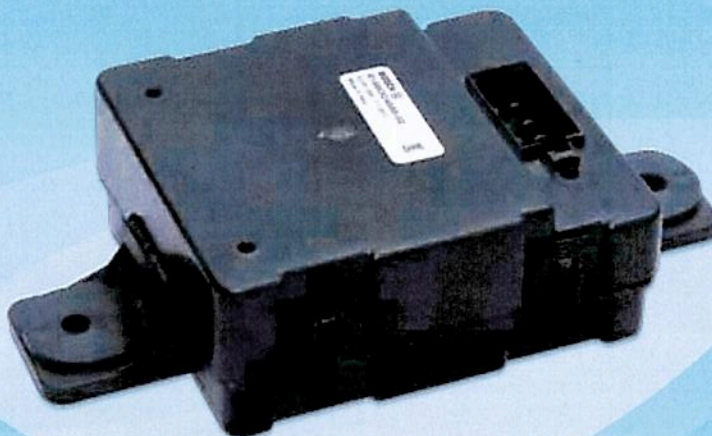
- ▶ Designed to withstand exposure to extreme conditions
- ▶ Switch high powers
- ▶ Function efficiently and reliably in a broad temperature range
- ▶ Extremely resistant to vibration
- ▶ Long service life
- ▶ Highly climate-proof

Part Number	Application	Description	MRP (₹)
Relays			
F 002 H10 096	Passenger Cars	Dual Headlamp Relay - 12V	290.00
F 002 H10 100	Passenger Cars	Horn Relay - 12V	182.00
F 002 H50 275	Passenger Cars	Dual Headlamp relay 24 V / 18A	300.00
F 002 H50 276	Passenger Cars	Wiring Harness Kit - Ceramic Holder with Fuse	490.00
F 002 H50 277	Passenger Cars	Dual Headlamp Relay without Coupler - 12V	220.00
F 002 H50 278	Passenger Cars	Dual Headlamp Relay - 12V and Wiring Harness Kit	690.00
F 002 H50 281	Passenger Cars	Flasher (Silent)	110.00
F 002 H50 282	Passenger Cars	Flasher (Buzzer)	115.00
F 002 H50 283	Passenger Cars	Horn Relay (3 wired)	160.00

Electronic Service Accessories

For over 125 years, innovative Bosch products and systems have been contributing to the progress of the automotive industry. At the same time, the amount of electric components within automobiles has been increasing continually during the last few years. This Bosch competence in development and production obtained throughout the years is reflected in professional services, repair,

and remanufacturing of faulty electronic components. As value-driven alternatives to new parts, Bosch Electronic Service provides several solutions such as: remanufactured replacement parts, the repair of faulty devices, or software updates. The advantages are obvious: considerably better pricing, same quality as with new parts, yet environmentally friendly, and resource-saving.



Value DC-DC

Features

- ▶ Uninterrupted infotainment
- ▶ Music / Phone through Bluetooth / CD Player remain continuous
- ▶ Wiring Harness with Coupler – no damage to existing wires
- ▶ Product for life

Mechanical Features:

- ▶ Size: 95 x 79 x 39.8 mm
- ▶ Compact and lightweight design (<200 gm)
- ▶ Ingress protection: IP-50
- ▶ Housing moulded action pin connectors with plastic housing

Functional Features:

- ▶ Voltage boost for battery line during cranking
 - Application: Audio only, with output power up to ~100 Watts RMS
 - Inputs: Bat, Gnd, ON, ACC, & Start
 - 2 boosted outputs: Power and Control
 - Protection: Reverse polarity, Short circuit, and thermal shutdown

Part Number	Description	Application	MRP (₹)
ES Accessories			
0 199 DC4 100	Value DC-DC	Maruti Suzuki Swift / DZire	2,500.00
0 199 DC4 200	Value DC-DC	Toyota Innova	2,600.00
0 199 DC4 300	Value DC-DC	Toyota Etios	2,600.00
0 199 DC4 400	Value DC-DC	Hyundai i10	2,500.00
0 199 DC4 500	Value DC-DC	Hyundai i20	2,500.00
0 199 DC4 600	Value DC-DC	Ford Figo	2,600.00