

Invented for life



**BOSCH**

# Bosch relays for mobile use

Reliable and safe switching of high currents



# Relays

## Overview

**Bosch relays reliably perform switching operations** – in both mobile and stationary applications. The comprehensive range includes 12- and 24-volt relays of all sizes for almost any application purpose.

### Competent and experienced

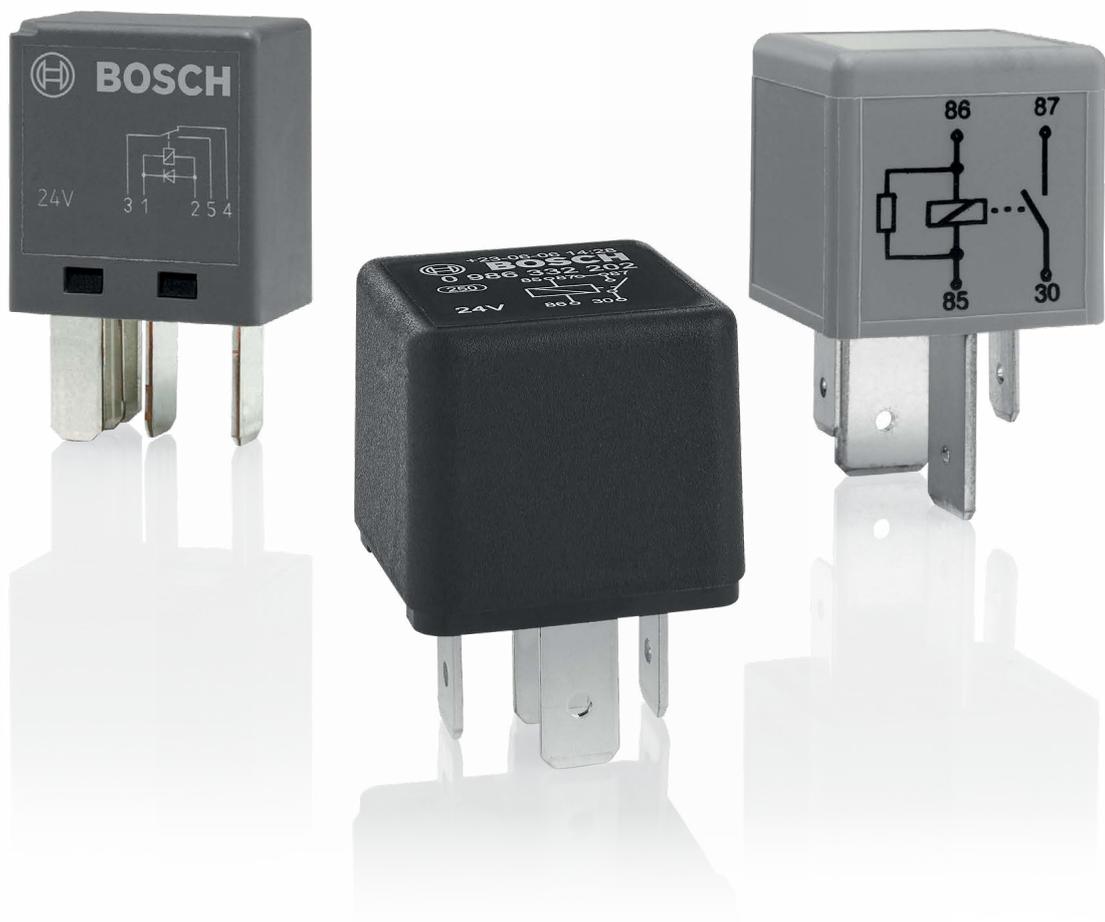
Bosch relays are used not only in the automotive sector, but also in a variety of other industries. More than 40 years of development experience make Bosch a competent partner for anything related to relay applications.

### Comprehensive range

Bosch provides a comprehensive range of 12- and 24-volt relays of all sizes and for almost any application purpose – in both mobile and stationary applications. Continuous further development of the whole range ensures state-of-the-art technology at all times.

### Outstanding quality

Due to meticulous processing and the use of high-quality materials allowing up to 250,000 switching cycles, Bosch relays feature a particularly long service life. Designed for ambient temperatures reaching from -40 °C to up to +100 °C, the compact relays also stand out for their high robustness.



# Relays

## Product range and details



Micro relays		Mini relays	
<p>Featuring a particularly compact design and a nominal voltage of either 12 or 24 volts, <b>Bosch micro relays</b> are perfectly suitable for a wide range of vehicles. They reliably perform switching operations and allow rated switching currents of up to 25 A. Thanks to their precisely fitting design, they are an ideal solution for easy and quick service tasks.</p>		<p><b>Bosch mini relays</b> feature a compact design and a nominal voltage of either 12 or 24 volts making them perfectly suitable for a wide range of vehicles. They reliably perform switching operations and allow rated switching currents of up to 75 A. Thanks to their precisely fitting design, they are an ideal solution for safe and quick service tasks.</p>	
Nominal voltage	12 V/24 V	12 V/24 V	
Switching current	up to 25 A	up to 75 A	
Temperature	from -40 °C to +100 °C	from -40 °C to +100 °C	
Funktions	Make/changeover contact with and without resistor/diode	Make/changeover contact with and without resistor/diode, with and without bracket	
Application			
Advantages at a glance	<ul style="list-style-type: none"> <li>■ Durable and robust due to meticulous processing and use of high-quality materials for up to 250,000 switching cycles</li> <li>■ Particularly high temperature resistance</li> <li>■ Flexible and easy to use</li> </ul>	<ul style="list-style-type: none"> <li>■ Particularly powerful due to high rated switching currents of up to 75 A.</li> <li>■ Durable and robust due to meticulous processing and use of high-quality materials for up to 250,000 switching cycles</li> <li>■ High corrosion resistance</li> </ul>	

### Bosch high-current relays

**Convincing in industry, transportation and agriculture:** The HCR 100 high-current relay is new in the Bosch program. The 100 A relay supports control units, glow plugs, windshield heaters, preheating systems, loading dock switches and start-stop systems. Available in 12 and 24 volts, it is heat, water, and vibration resistant as well as IP54 dust protected.



### Bosch fuses

The Bosch program contains an extensive selection of **fuses** to protect the electrical voltage in the vehicle.



# What drives you, drives us

Bosch technologies are used in most vehicles worldwide.  
People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated over 130 years of pioneering spirit  
and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern diagnostic and workshop  
equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- solutions for efficient vehicle repairs
- innovative workshop equipment and software
- one of the world's most comprehensive ranges of new and exchange parts
- large network of wholesale customers, for quick and reliable parts supply
- competent hotline support
- comprehensive educational and training offers
- targeted sales and marketing support

**Find out more at:**  
[boschaftermarket.com](https://boschaftermarket.com)

## **Robert Bosch GmbH**

Auf der Breit 4  
76227 Karlsruhe  
Germany