

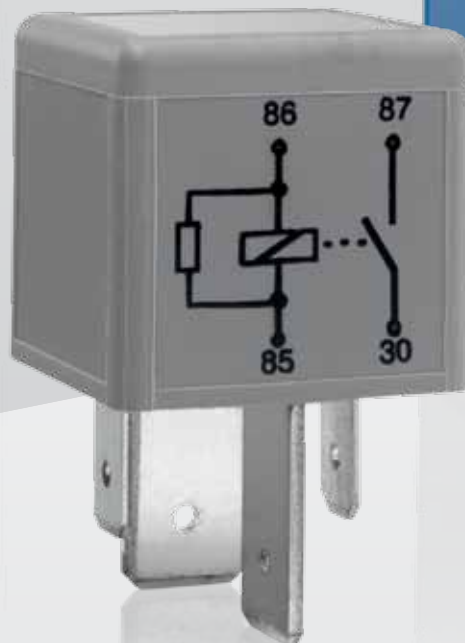


BOSCH

Invented for life

Relays

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 practically any application purpose.

Competent and experienced

Bosch relays are not only used at the automotive sector, but also for a variety of other sectors. The huge development experience and more than 40 years of production know-how make Bosch a competent partner for anything related to relay applications.

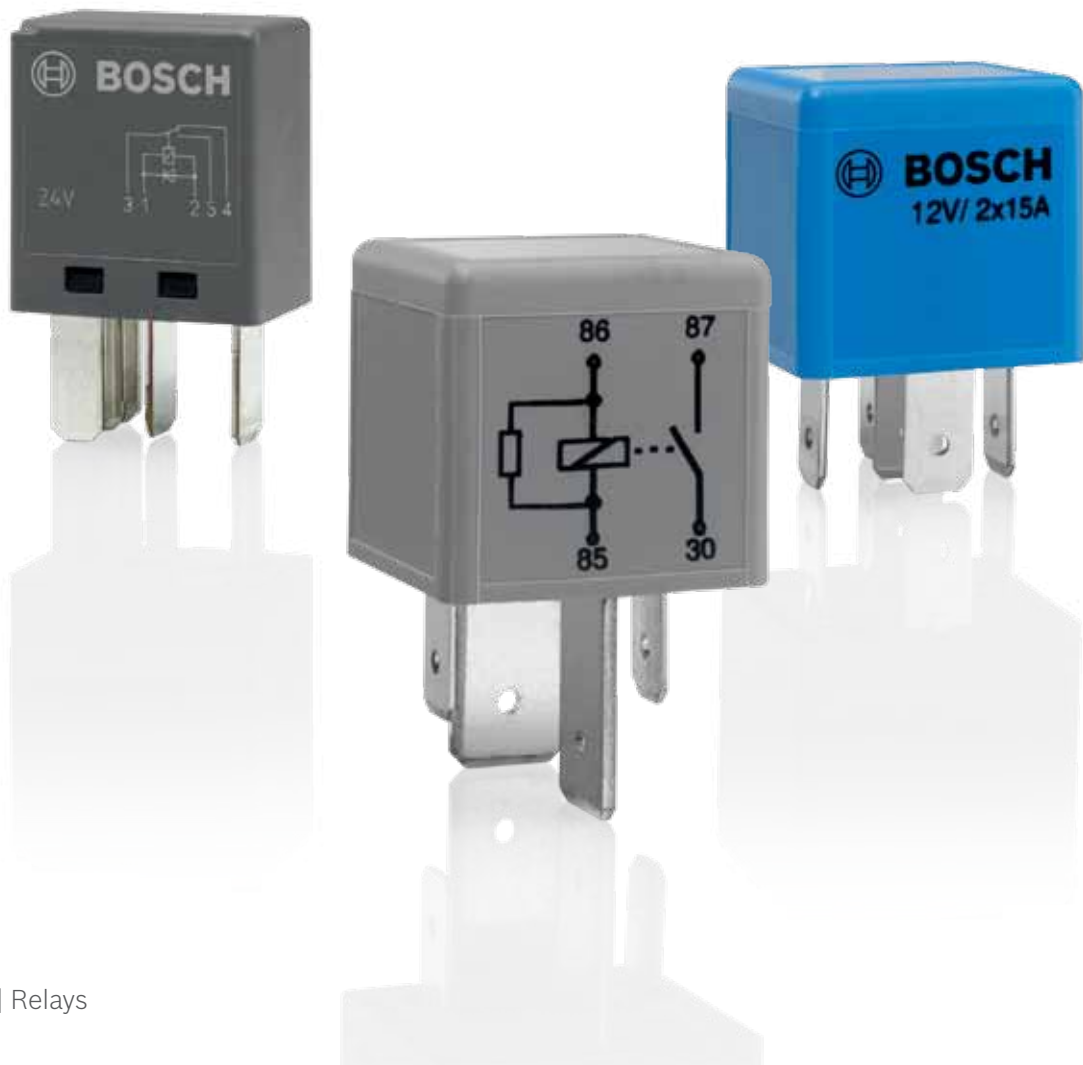
Comprehensive range

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.

Premium 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 & details



	Micro relays	Mini relays	Power relays
	Featuring a particularly compact design and a nominal voltage of either 12 or 24 volts, Bosch micro relays 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.	Bosch mini relays 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.	Bosch power relays are particularly suitable for switching operations concerning engines, starters and other large consumers. They work with rated switching currents of up to 350 A – in case of battery cut-off relays even up to 3 500 A. Optionally also available as heavy-duty version.
Nominal voltage	12 V / 24 V	12 V / 24 V	12 V / 24 V
Switching current	up to 25 A	up to 75 A	up to 350 A
Temperature	from -40 °C to +100 °C	from -40 °C to +100 °C	Type 1: from -40 °C to +65 °C Type 2: from -40 °C to +100 °C Type 3: from -40 °C to +100 °C
Functions	Make / changeover contact with and without resistor / diode	Make / changeover contact with and without resistor / diode, with and without bracket	Make / changeover contact with and without resistor / diode
Application			
Advantages at a glance	<ul style="list-style-type: none"> ▶ Durable and robust due to meticulous processing and use of high-quality materials for up to 250 000 switching cycles ▶ Particularly high temperature resistance ▶ Flexible and easy to use 	<ul style="list-style-type: none"> ▶ Particularly powerful due to high rated switching currents of up to 75 A. ▶ Durable and robust due to meticulous processing and use of high-quality materials for up to 250 000 switching cycles ▶ High corrosion resistance 	<ul style="list-style-type: none"> ▶ Long service life due to particularly high vibration and shock resistance. ▶ Powerful version ideal for applications related to large consumers/engines ▶ Particularly high temperature resistance



Bosch relays in mobile and stationary applications



Proven in cars, trucks and motorcycles

- ▶ Coolant fan
- ▶ Gasoline pump
- ▶ Wiper motor
- ▶ Fan motor
- ▶ Electric seat heating, seat adjustment
- ▶ Heated rear window
- ▶ Brake light
- ▶ Central locking system
- ▶ Electric windows
- ▶ Electric side mirrors
- ▶ Starters
- ▶ Horns
- ▶ ABS

Suitable for additional applications

- ▶ Automatic sliding doors
- ▶ Electric wheelchairs
- ▶ Marine electronics
- ▶ Electric lawnmowers
- ▶ Bicycle drives
- ▶ Conveyor systems
- ▶ Garage door drives
- ▶ Emergency power and charging systems
- ▶ Cleaning devices
- ▶ Robot control systems
- ▶ Construction machinery
- ▶ Agricultural machinery
- ▶ Furniture adjustment systems
- ▶ Automatic vending machines

Driven by efficiency

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

Therefore, we have dedicated the last 125 years of pioneering spirit and expertise in research and manufacturing to achieving this.

We continue to work on our unique combination of solutions for spare parts, diagnostic devices, workshop equipment and services:

- ▶ Solutions for efficient vehicle repairs
- ▶ Innovative workshop equipment and software
- ▶ The world's most comprehensive range of new and replacement 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

Additional information on Bosch relays upon request:

bosch-automotive-aftermarket.com

**What drives you,
drives us**

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