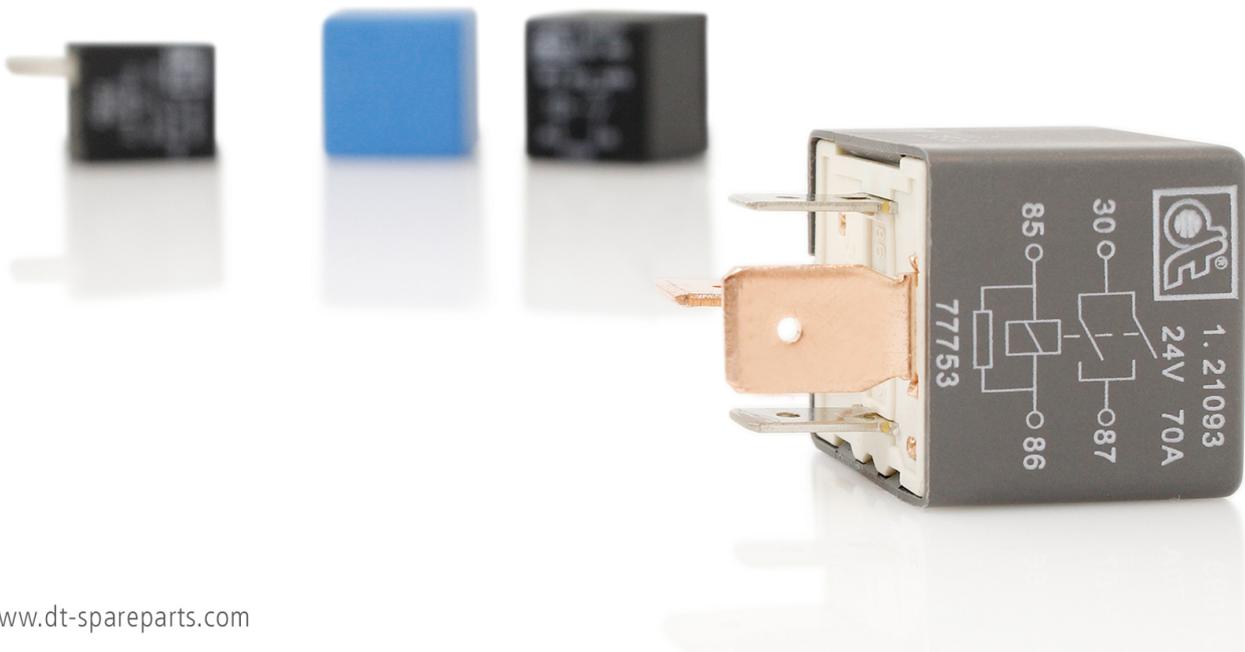


# Relays

**Suitable for: trucks, trailers and buses**

Art. no.:  
replaces Multibrand



[www.dt-spareparts.com](http://www.dt-spareparts.com)

Relays are used to separate electrical circuits and to switch electrical consumers up to a current of 70 amperes. The advantages of relays are the compact design and the possibility of switching large electrical consumers with low currents. Furthermore, relays provide the possibility of switching higher voltages with low control voltages.

In a robust plastic housing, is an electric solenoid coil, which is supplied with electricity via a standard flat plug when switched on. When electricity flows, the coil produces a magnetic field in the core of the coil which, via an armature, opens or closes one or more contacts, depending on the design.

To obtain a low tendency to "sweating" and low contact resistance, the plug contacts are made of brass with a nickel-plated surface and the switching contacts are coated with resistant silver-tin oxide. To prevent the occurrence of contact-braking sparking, relays with double contacts are available, depending on the application.

Relays of the brand DT® Spare Parts often already contain electrical components in the housing to restrict the

counter-induction voltage of the coil. This prevents the circuits from interacting with each other, which can lead to unwanted relay switching.

## Construction of relays

1. Base plate
2. Connector no 87
3. Connector no 86
4. Connector no 30
5. Connector no 85
6. Coil connection bracket
7. Return spring
8. Armature
9. Copper wire/strand
10. Copper coil
11. Pre contact
12. Main contact
13. Ferrite rod/ coil core



## DT Spare Parts

The brand DT Spare Parts from Germany provides a complete range of vehicle parts and accessories with a 24 month guarantee – no matter whether for trucks, trailers, buses, transporters or further applications, e.g. cars, agricultural vehicles, construction vehicles, marine or industrial applications. The guaranteed brand quality is achieved through the consistent product optimisation and relentless quality assurance within the framework of the Diesel Technic Quality System (DTQS).

More info: [www.dtqs.de](http://www.dtqs.de)