

E60 ignition starter switch

Installation location

The ignition starter switch is fitted on the right-hand side of the steering column.



Key	Description	Key	Description
1	Ignition starter switch	2	Ribbon cable to the CAS

Construction

A gearwheel transfers the motion of the ignition key turning in the lock cylinder to the ignition starter switch. 4 Hall sensors are installed in the ignition starter switch. The Hall sensors read the ignition key position without contact.

The ignition starter switch also contains the ring antenna for querying the transponder in the ignition key.

The ignition starter switch is connected to the CAS control unit by a 14-pin connector (X14027).

How it works

The ignition starter switch switches terminals R, 15 and 50.

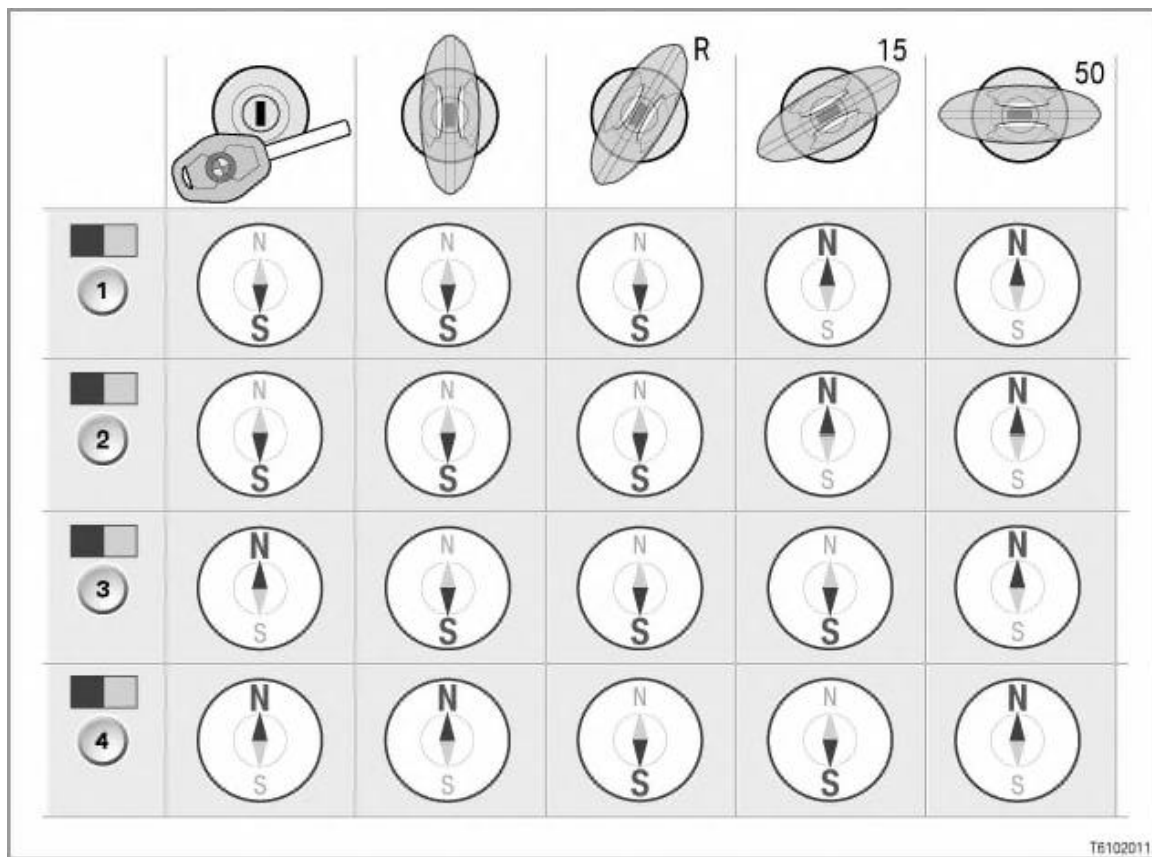
The ignition key position is monitored electronically so that an ignition key **without** a valid transponder does **not** switch the various terminals mechanically.

The terminal status is only forwarded to the electrical system if the ignition key has an authorised transponder.

This fully electronic access to the vehicle has the following benefits:

- Increased reliability of the terminal signals thanks to wear-free redundant sensors
- defined switching behaviour of terminal outputs
- electronic means of accessing the vehicle, e.g. for independent heating and for telestart (remote starting of the engine)

Four Hall sensors are installed in the ignition starter switch. The Hall sensors read the status of the terminals via a matrix.



Key	Description	Key	Description
1	Hall sensor 1	2	Hall sensor 2
3	Hall sensor 3	4	Hall sensor 4