

PREXAparts is Brechmann Handels GmbH & Co. KG's performance brand for high-quality OE ident parts. With over 45 years of experience, we only supply selected ident parts of outstanding quality that meet and often exceed the OE parts standard in terms of precision, quality and function. We deliver top quality at competitive prices – fast, reliable and efficient.

## Sensors, Camshaft Position

### Benefits at a glance

Production and process safety as well as quality assurance comply with official OE standards

PREXAparts products offer the same accuracy and service life as the original parts

Every product is subject to PREXAparts quality assurance checks

PREXAparts products are designed as 1:1 replacements for OE parts and offer the same reliability

Always up-to-date database of all items – available at any time on TecDoc

Our large stock ensures fast and high availability at all times



### Facts & Know-How



Camshaft position sensors transmit the exact position of the crankshaft to the engine control unit. This information is necessary for the correct calculation of ignition and injection timing, as well as for the control of variable valve timing.

These sensors operate according to the Hall effect principle. A ring gear connected to the camshaft is scanned. To determine the position, certain teeth are omitted or one tooth marks the top dead centre (TDC) for cylinder one. The change in the magnetic field resulting from the rotation of the ring gear is recorded in the Hall IC as a change in voltage, which is transmitted to the control unit and evaluated there to determine the necessary data.

Camshaft position sensors enable efficient and low-emission engine operation.



› Expertise › Qualification › Quality › Reliability

