

E-Cars

Connector detection

Around 100 years after their invention, electric vehicles are experiencing a renaissance. If you believe the message of the IAA in Frankfurt, most cars will soon rely on electricity and it is considered a challenge to ensure the safe and efficient charging cycle of electric vehicles.

To avoid potential electrical accidents and arcs, the current flow between the plug and socket must be continuously monitored. This means tiny sensors continually check the correct position of the connector into the port and interrupt the power supply should the need arise. There is an option to control additional functions with the sensors, such as an immobilizer, power indicator, locking, etc.

Ideal for this application are MEDER Reed sensors. These are hermetically sealed and therefore resistant to any environmental influences such as heat, rain, ice and cold. MEDER's high quality sensors can achieve over one billion cycles, moreover reed switches are very environmentally friendly as they consume no power and for switching only one permanent magnet is required. These products are designed to the customers requirements for the magnetic sensitivity and assembly method.

MEDER Reed products mean owners of electric cars don't have to worry when charging their vehicles and thus make a significant contribution to the security and the development of electrically driven automobiles.



3 good reasons:

No power consumption

Long life expectancy

Hermetically sealed

