SWITCHES, SYSTEMS & TRENDS
OFF-ROAD VEHICLES
WHERE SOPHISTICATED TECHNOLOGY ALLOWS ROBUST APPLICATIONS.

Rocker switch 1838/1930
- With dust and water protection IP 67
- High currents up to 16 A
- Mechanical life of more than 1 million switching cycles
- Wide range of options available

Rocker switch 3250
- Reliable, self-cleaning snap-action switching system
- With dust and water protection IP 66 / IP 68
  (on demand also from terminal side)
- Wide variety
- Up to four built-in LEDs
- Wide range of accessories
- Individual rocker design possible

LIN-rocker switch
- With LIN-interface
- Installation compatible to series 3250
- Dust and water protection IP 69K frontside
- Wide variety
- Up to six built-in LEDs
- Wide range of accessories
- Individual rocker design possible

Snap-action switch 1045
Micro-signal switches 1065
- With dust and water protection IP 67
- Built-in separating aid to prevent contact welding (optionally)
- Possible with cable assembly
- Versions with center off position (1065)
- Diagnostic capability (1065)
- Wide rating range
BLE Gateway and FOB 3559
- Consisting of BLE Gateway with CAN J1939 interface and BLE FOB
- With dust and water protection IP 67
- Range up to 50 m
- Also suitable for retrofit
- Standard two inputs and one output

Central control panel 3583
- With CAN J1939 interface
- Design and functional range can be customized
- Jog dial with four-way tilt function
- With dust and water protection IP 67
- Six buttons for quick access
- Touch function in the jog dial with character recognition (optional)
- RGB lighting (optional)

Keypad 3584
- 2x3 buttons with CAN J1939 interface
- With dust and water protection IP 67
- Up to three functional illuminations per button

Drive authorization system
- Consisting of control module, key, antenna and start-stop-switch
- With CAN J1939 interface
- With dust and water protection IP 67
- Also suitable for retrofit
WHEN DECADES OF EXPERIENCE DEVELOP THE FUTURE.

Batteries and subsystems for electro-mobility

- Battery management systems for 12V, 48V and high voltage applications
- Different cell types can be used
- Suitable for different bus-systems (CAN, LIN)
- Option of integration of AUTOSAR standard software and customer software modules
- Functional safety up to ASIL level D

Usage Management
- Fleet management
- Authorization management
- Operating data collection
Off-road vehicles have to prove their functional ability under extreme conditions. Drivers expect absolute reliability and maximum user-friendliness from the components and modules used. Marquardt switches and solutions contribute greatly to this. They feature a robust technology, reliable quality and individual designs. Thus, they guarantee maximum reliability, safety and individuality.

Decades of experience in the automotive industry and many new product developments make us a strong partner, who understands your requirements and transforms them into intelligent solutions.