



# MARQUARDT INNOVATIONS

➤ SOLUTIONS FOR BUILDING TECHNOLOGY & HVAC



MARQUARDT

## ➤ SWITCHES AND MODULES



### ➤ BECAUSE INTELLIGENT SOLUTIONS OFFER MAXIMUM CUSTOMER BENEFITS.



#### Rocker switch 1930

- Dust and water protection IP 65
- Variable rocker labeling and housing color
- Optionally with function lighting
- Versions as per the Household Appliance Standard EN 60335-1 (GWT)



#### Switch module 2048.0102

- Dust and water protection IP 67
- Welded cable set with plug
- Self-adjusting system for automatic tolerance compensation



#### Switch module 2047.0101

- Dust and water protection IP 67
- Welded cable set with plug
- Self-adjusting system for automatic tolerance compensation
- Catch hooks for easy assembly



#### Push-button switch 1680

- Versions for behind PCB assembly
- Individual designing of the user interface possible
- Versions as per the Household Appliances Standard EN 60335-1 (GWT)
- Electrical rating up to 16 A 250 V AC

#### Tact switch 3006

- SMT-compatible
- Low height, short stroke
- Versions with built-in LED
- Excellent haptics due to distinctive pressure point
- Different color and operating force versions



#### Snap-action switches 1058

- Dust and water protection IP 67
- Sealed molded connecting area
- Welded cable set with plug





➤ WHERE INNOVATIVE PRODUCTS STAND FOR COMFORT, EFFICIENCY AND FUNCTIONAL SAFETY.

**Flow sensor 2061.2101**

- ➔ Plug-in module for easy assembly, dismantling and filter cleaning
- ➔ Built-in filter element
- ➔ Measuring range 1 to 20 l/min
- ➔ Maximum water temperature 85° C
- ➔ Operating pressure up to 10 bar
- ➔ Burst pressure > 30 bar
- ➔ Suitable for drinking water (WRAS and KTW 85° C)



**Pressure sensor 2066**

- ➔ Analog output signal
- ➔ Robust design and easy assembly
- ➔ Fully automatic 100% testing and calibration
- ➔ Linear measuring range 0 – 4.5 bar/450 kPa/65 psi
- ➔ Burst pressure > 9 bar/0.9 MPa/130 psi
- ➔ Dedicated for water, heating water and air
- ➔ Plug-in and screw-flange versions

**Versions on request:**

- ➔ Alternative measuring ranges  
e.g. 0 – 10 bar/1 MPa/145 psi
- ➔ Burst pressure > 42 bar/4,2 MPa/609 psi
- ➔ Suitable for drinking water
- ➔ Different voltage supplies
- ➔ Other output signal characteristics





➤ **WHEN YOUR SYSTEM PARTNER STANDS FOR DEVELOPMENT AND SERIES PRODUCTION.**



**Pump interface 2061.2102**

- ➔ Functional module for hydraulic unit in heating systems
- ➔ Integrated flow sensor
- ➔ Can be fitted with water pressure sensor
- ➔ Highly cost-efficient due to low weight and easy assembly
- ➔ Suitable for drinking water (WRAS and KTW 85° C)

**Remote control unit 2078**

- ➔ Easy communication with the heating control unit
- ➔ Wired and wireless versions
- ➔ Individual packaging including accessories and operating manual



**Boiler control unit 2078**

- ➔ For wall-hanging gas boilers and heat pumps
- ➔ Attractive design and excellent haptics
- ➔ Design, industrialization and series production from a single source



# BECAUSE CUTTING-EDGE TECHNOLOGY IS BASED ON KNOWLEDGE AND INGENUITY.

The Marquardt Group was established in 1925 and, in spite of becoming a Global Player, has remained an independent family enterprise. With its two business areas – Automotive and Switches, Sensors & Controls, the Marquardt Group of companies is active all over the world in all the important markets. We have offices at 11 locations with more than 6,000 employees in all.

Every year, we invest more than seven percent of our turnover in research and development – not to mention the use of modern development tools, simultaneous engineering and an efficient testing system. Moreover, our corporate culture offers ample scope for unfolding the inventive genius of our employees. As a result, new ideas come up time and again, which are materialized into marketable cutting-edge technologies.

The Switches, Sensors & Controls division develops, produces and sells its products in a number of industries and applications. Apart from industrial applications, our products are used in power tools, household appliances, cleaning systems, drive technology, heating and air-conditioning technology as well as off-road vehicles. We have the necessary technical know-how, innovative strength, long-term experience and comprehensive manufacturing expertise required in these fields.

This yields innovative and reliable products that feature promising designs tuned to individual requirements. Our products range from the standard switch to complex customer-specific systems. They are suitable for small-scale and large-scale production. With distinct production engineering, worldwide manufacturing options, high quality standards and durability of our products, we achieve customer satisfaction and thereby ensure our competitive ability.

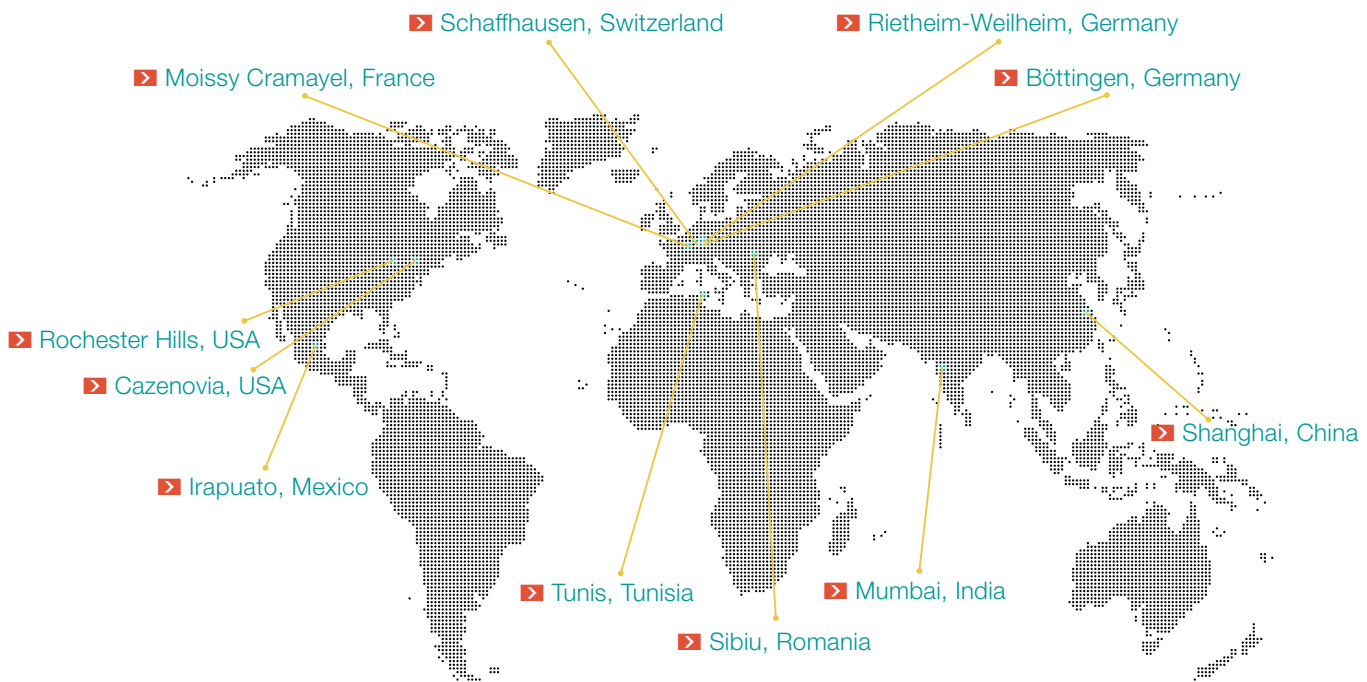
These customer- and market-specific solutions have made Marquardt a strong partner of the power tool and electrical industry as well as a technology leader. We are at your service in all the international markets.

Building equipment and Heating-, Ventilation- and Air Conditioning (HVAC) appliances are part of a highly competitive market. The buying decisions of customers are based on criteria like technical features and the high-value appeal of a device, which again is determined by design, haptics and user-friendliness.

Here, Marquardt offers innovative switches, sensors and systems that feature high functional safety, excellent switching characteristics, durability and a user-friendly design. With our intelligent products, your terminal equipment saves on resources and becomes more efficient and reliable.

Marquardt is a system partner that puts at your disposal many years of experience and looks to partner starting at the development stage, right up to the series production. No wonder that Marquardt has become the preferred choice of brand manufacturers.

# MARQUARDT INTERNATIONAL.



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