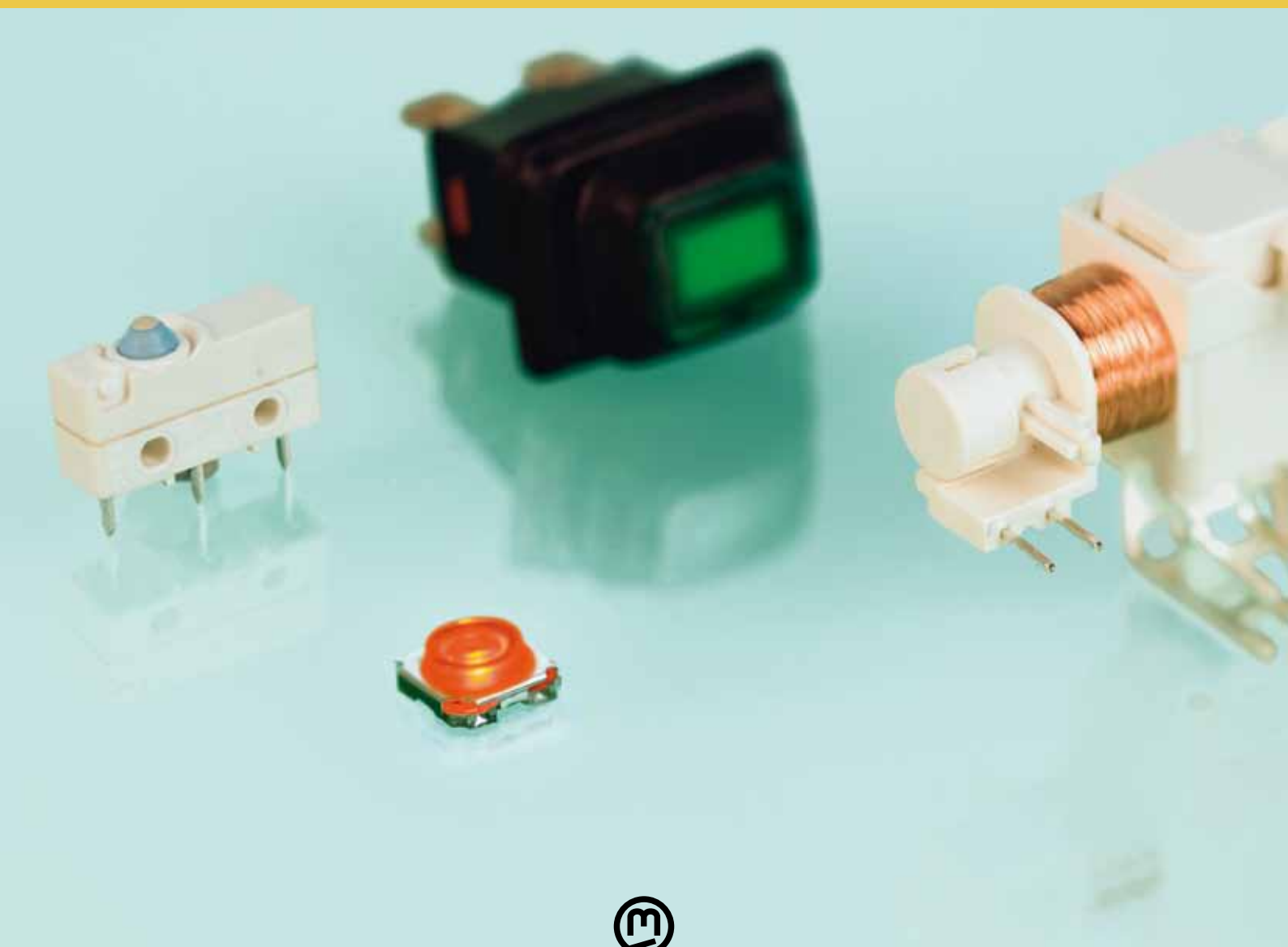




# MARQUARDT INNOVATIONS

➤ STANDARD SWITCHES FOR INDUSTRIAL AND ELECTRICAL APPLICATIONS



MARQUARDT



➤ BECAUSE THERE IS NO COMPROMISE ON RELIABILITY AND SAFETY.



**Push-button switch 1683**

- ➔ Versions with dust and water protection IP 65/IP 67
- ➔ Single- and double-pole in the same compact design
- ➔ Optionally with illumination/lighting (LED, glow lamp and bulb)
- ➔ Double lifting, powerful switching system for currents up to 16 A



**Snap-action switch 1050**

- ➔ Versions with large overtravel
- ➔ Also available with increased difference travel
- ➔ Optional mushroom-shaped push-button
- ➔ Rating up to 10 (1.5) A 250 V AC

**Rocker switch 1550**

- ➔ Single- and double-pole in an even compact design
- ➔ Optionally with illumination/lighting (LED, glow lamp and bulb)
- ➔ Powerful for currents up to 16 A
- ➔ Built-in separating aid for contact welding



**Foot switch 2410/2420**

- ➔ Versions with dust and water protection IP 65/IP 67
- ➔ Robust design with mechanical life endurance > 300,000 cycles
- ➔ User-friendly ergonomics
- ➔ Available with and without cable
- ➔ Anti-skid and compact



**Door contact switch 1115/1117**

- ➔ Double lifting contact system
- ➔ Can be actuated from different directions
- ➔ Opener contacts, closer contacts and changeover switches available with large overtravel



➤ WHERE DEMANDING TECHNOLOGY AND APPEALING DESIGN GO HAND IN HAND.



**Rocker switch 1850/1881**

- ➔ Attractive small rocker switch
- ➔ Broad spectrum of switching functions
- ➔ Low installation depth
- ➔ Versions with dust and water protection



**Tact switch 3006**

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



**Key switch 6425**

- ➔ Single-pole, with or without LED
- ➔ Customized key caps and labels available
- ➔ Tangible soft actuation characteristics

**ECO switch program 1086/1550**

- ➔ Rocker switch and push-button switch
- ➔ Automatic cut-off by an external signal (remote-off or auto-off)
- ➔ Prevention of stand-by losses as per the EU directive
- ➔ Safe cut-off due to galvanic separation
- ➔ Rated for currents up to 16 A
- ➔ Versions with intelligent current detection



**Micro-signal switch 1065**

- ➔ For signal currents
- ➔ Self-cleaning, redundant contact system with double contacting
- ➔ Noiseless switching system with large overtravel
- ➔ Versions with center off position, cable assembly or diagnostic capability
- ➔ With dust and water protection IP 67





➤ WHERE THERE ARE SIMPLE SOLUTIONS FOR COMPLEX CONDITIONS.

**Rocker switch 1830/1930**

- ➔ With dust and water protection IP 67
- ➔ Innovative sealing
- ➔ Multiple design versions available
- ➔ Optionally with functional lighting
- ➔ Versions with IEC permit up to 400 V AC



**Snap-action switch 1080**

- ➔ Currents up to 21 A
- ➔ Lamp power up to 2,200 W
- ➔ Various auxiliary actuators for two suspension points
- ➔ Optimum snap-action with slow actuation



**Snap-action switch 1045**

- ➔ With dust and water protection IP 67
- ➔ Built-in separation aid for contact welding
- ➔ Rating spectrum of DC signal currents up to 10 (3) A 250 V AC

**Push-button switch 1680**

- ➔ Maximum reliability due to fully automatic assembly
- ➔ Rating up to 16 A
- ➔ Single- and double-pole in the same size
- ➔ Wide variety such as PCB connections for behind PCB installation



**Rocker switch 3250**

- ➔ Extremely reliable, self-cleaning snap-action system
- ➔ Dust and water protection IP 66/IP 68
- ➔ Wide variety for a broad range of applications
- ➔ Up to four built-in LEDs for innumerable illumination versions



# 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.

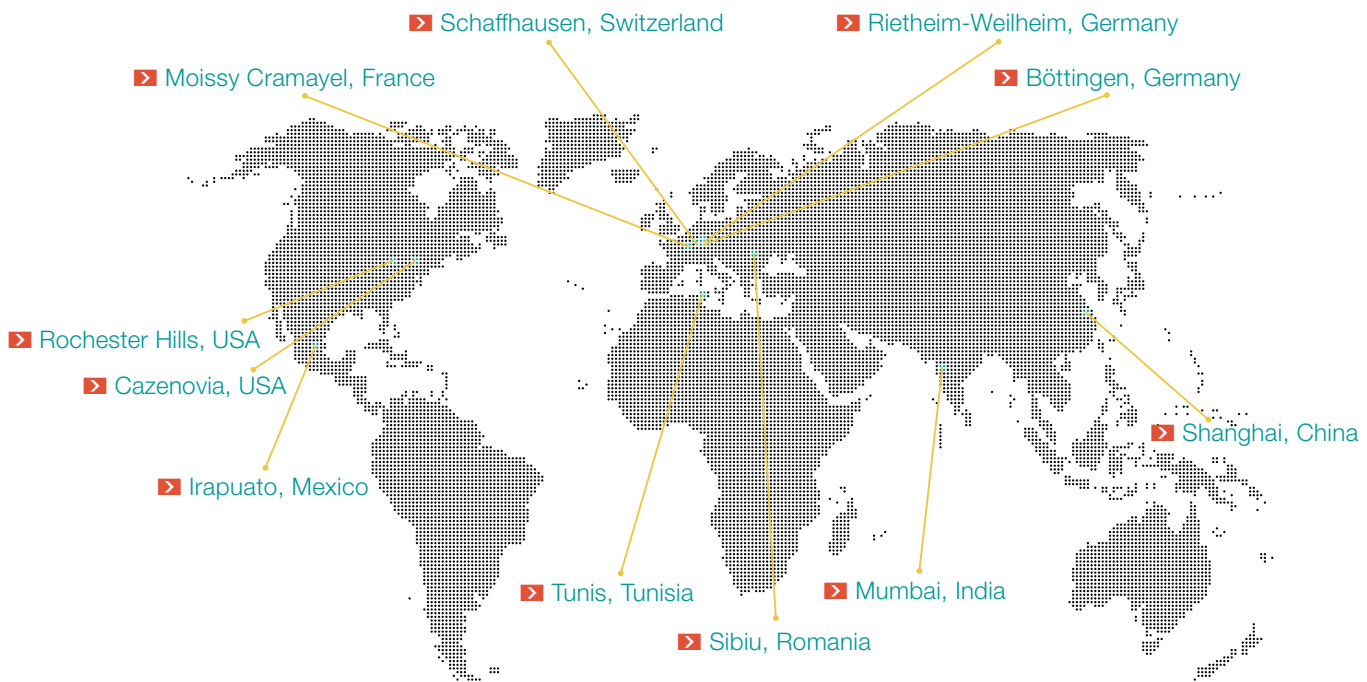
These customer- and market-specific solutions have made Marquardt a strong partner of the power tool and electrical industry as well as a technology leader. We are at your service in all the international markets.

Marquardt standard switches are used in a wide range of industrial and electrical applications. Factors such as reliability, safety, design, innovative solutions and cost-efficiency are of utmost importance.

Marquardt offers a very broad and technically sophisticated product portfolio based on many years of experience. Our standard switches are long-lasting and preferred because of their high performance. For us, demanding customer requirements are a welcome challenge.

You can order various switches by selecting them directly from our up-to-date online product catalog. Be it mains or signal voltage, manual or mechanical actuation, with or without lighting – we help you to find the right solution.

# MARQUARDT INTERNATIONAL.



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