



ENGINEERING CATALOGUE

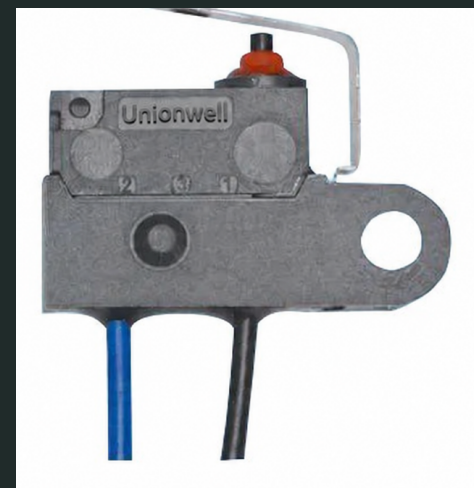
Precision micro switches for demanding applications.

Unionwell supplies compact sensing and control components for automotive, EV charging, home appliance, industrial automation, power tool, and custom OEM programs.

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SEALED / COMPACT / APPLICATION-READY

Core switch platforms

Representative families are shown below. Final ratings, terminals, actuators, sealing, approvals, and lifecycle depend on the selected model.



G3 / G303 / G304 / G306

Sealed subminiature switches

Compact sealed formats for automotive, appliance, charging, and protected position sensing.



G9 / G9A / G9B / G10B

Sealed mini switches

Mini and subminiature sealed platforms with multiple lever, terminal, and wiring options.



G5 / G5W11 / G6 / G10

Basic and miniature switches

Proven snap-action families for appliances, industrial controls, and electrical equipment.



G19 / G20 / G22 / G23

Automotive and EV solutions

Application-specific control, reminder, custom sensing, and charging-lock platforms.

Start from the mechanism and environment

Family	Representative series	Typical strengths	Typical applications
Sealed subminiature	G3, G303, G304, G305, G306, G307, G309	Compact size, sealed options, lever and wire configurations	Automotive mechanisms, charging equipment, appliances
Sealed mini	G9, G9A, G9B, G10B, G91	Protected construction, flexible actuator and terminal choices	Vehicle sensing, outdoor controls, appliance doors
Basic / miniature	G5, G5E, G5W11, G6, G10, G10A	Multiple ratings and form factors, proven snap action	Appliances, industrial controls, power equipment
Automotive / EV	G19, G20, G22, G23, G25, G26	Application-specific integration and OEM support	Seat control, belt reminder, charging locks, cabin controls
Detection / specialty	G1/G17, G2, G11, G12, G15, G16, G21, G606, GPS100, SWD, SWP	Special actuation, compact detection, pressure and door control	Equipment limits, position feedback, doors, pressure systems

Share the requirement, not only the part number

A reliable selection connects the switch to its mechanical interface, electrical load, environment, target market, and production plan.

01	Mechanical interface	Envelope, mounting, actuator direction, operating point, total travel, and over-travel
02	Electrical requirements	Circuit, voltage, current, load type, contact resistance, and diagnostic resistance if required
03	Environment	Temperature, water and dust exposure, vibration, chemicals, and target protection level
04	Connection	Terminal style, PCB process, wire length, connector, harness direction, and sealing at the exit
05	Program needs	Required approvals, lifecycle, annual volume, sample timing, validation, and quality documentation

TALK TO UNIONWELL

Send your application, drawing, existing model, quantity, and target market for a focused recommendation.

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