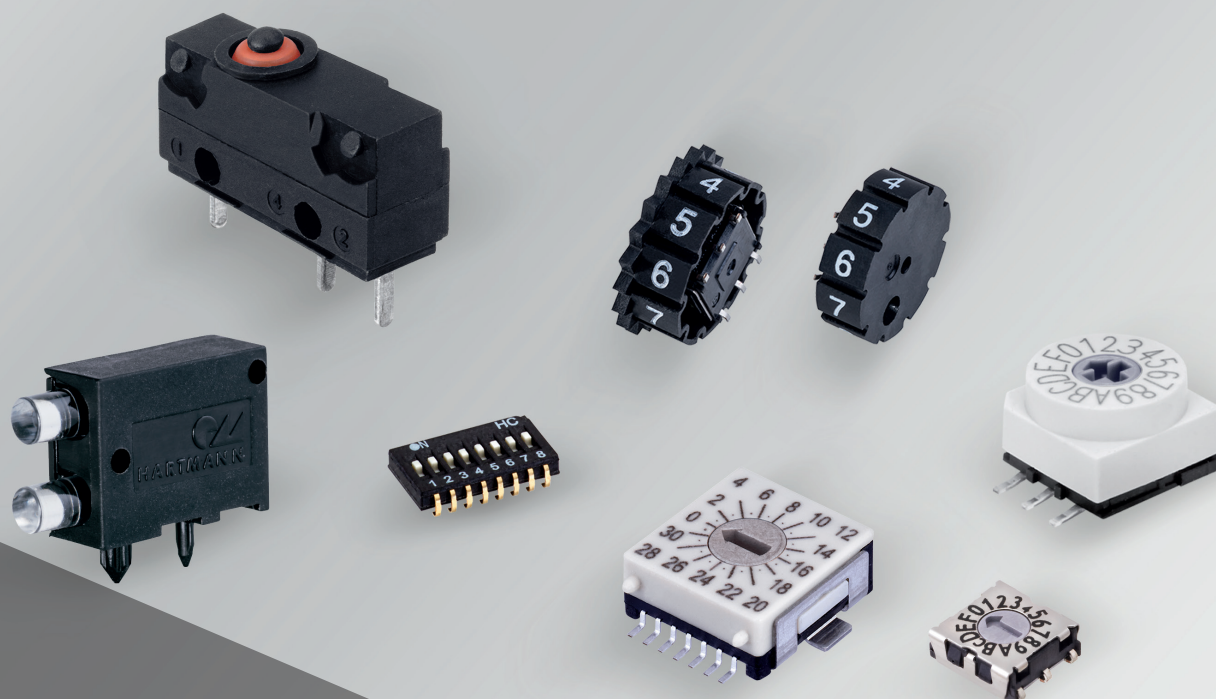




HARTMANN

A Phoenix Mecano Company



PRODUCT OVERVIEW

Electromechanical Components

WE DEVELOP, PRODUCE AND MARKETING

Hartmann Codier is a company of Phoenix Mecano AG. For more than 50 years, we have been developing, producing and marketing standard components and customer-specific products for a wide range of applications in over 40 countries.



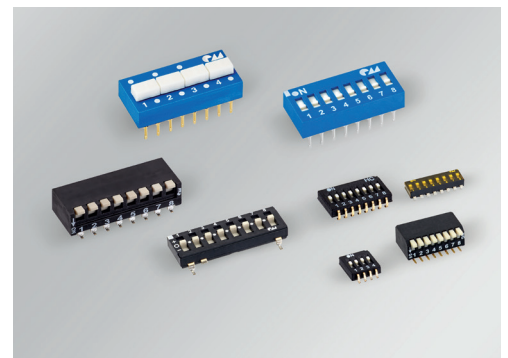
ROTARY CODE SWITCHES

- » High reliability
- » 5 different switch sizes
- » Through Hole-, SMT- oder J-Hook-pins
- » All standard codings
- » Horizontal and vertical versions
- » Extra sealed designs available
- » Ambient temperature -60 to $+125$ °C available



THUMB WHEEL SWITCHES

- » For slim DIN-Rail-housings
- » Width from 3.3mm
- » 10-, 16- and 32-positions
- » With and without operating crown
- » For right and left hand side PCBs
- » Customer specific printing available



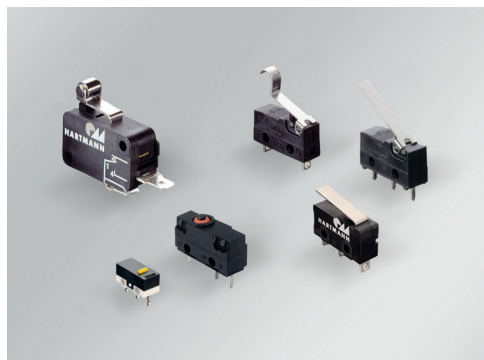
DIP-SWITCHES

- » 1.27 mm and 2.54 mm pitch
- » Through Hole-, SMT- und J-Hook-pins
- » Horizontal, vertical and Piano actuation
- » SPST, SPDT, DPST, DPDT, 3PST, 4PST,
- » Tri-State (+, 0, -)



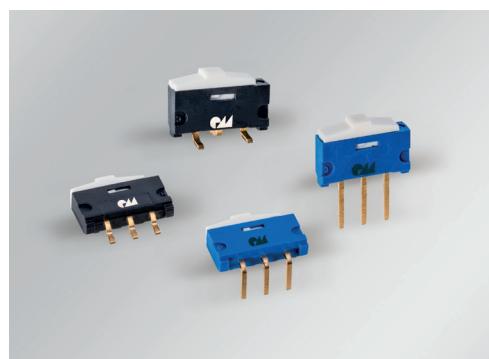
TACT SWITCHES

- » Different switch sizes and designs
- » Various actuator heights and actuation forces
- » Horizontal and vertical versions
- » Ultra low profile switches
- » Waterproof switches



MICRO SWITCHES

- » Different sizes and types
- » Solder terminals and plug connections
- » NC, NO and change-over
- » Various actuators
- » Ambient temperature up to 130 °C
- » cULus and ENEC-VDE approvals



SLIDE SWITCHES

- » Through Hole- and SMT-pins
- » Can be used as ON/OFF-switches or CHANGE-OVER switches



LIGHT PIPES

- » Light pipes for front panel assembly
- » With soldering pins or push-fit peg
- » For SMT LEDs
- » Customer specific designs



PTR HARTMANN

A Phoenix Mecano Company

A COMPANY IN THE PHOENIX MECANO GROUP

The Phoenix Mecano Group is a technological enterprise which operates around the world and is represented on the international growth markets. With its three building technology, mechanical components and ELCOM / EMS divisions, the company is the leader in many markets. Machinery and plant engineering, measurement and control technology, electrical engineering, automotive and rail engineering, energy technology, medical technology, aerospace technology, as well as the home and hospital care sector, are important fields of application.

GLOBAL PRESENCE

With more than 60 locations on every continent, we and our international workforce are close to our customers and guarantee efficient production, resource-friendly logistics and market-driven solutions.

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