

# Electronic & Mechanical Components

Traditional and trusted core products that support the industrial world with a level of perfection that sets us apart from the rest.

Electronic & mechanical components are our core products that we have been manufacturing and selling since Nidec Copal Electronics was founded. From our high quality and high reliability made possible by our accumulation of mature technologies, we have reached a production level of tens of millions of units a month and we have developed into a global brand. We have a wide range of products; starting with trimmer potentiometers variable resistors which play a role in many fields of industry; these products cover from small signal switches for settings that are used in information and telecommunications equipment, and control and measurement devices, to high power switches for operations, such as push buttons and toggle switches. In recent years, the market for these products has also been expanding from the existing fields of computer peripherals, broadcasting equipment and medical equipment to the environmental and energy fields, such as smart meters and solar power generation storage batteries which are used to support smart grids. To meet this increasing worldwide demand and to keep costs down, production takes place in our bases in China, where strict quality management has been introduced. We are pursuing high quality at low prices. In our future business scheme, we are looking to open up new markets targeting environment-related fields where there is increasing product demand, and the field of infrastructure development in developing countries. In addition, we will continue to expand our circuit protection components, high-current/high-voltage components and system products as new areas of business.



## ●Switches



Slide switch **CFS/CFP**    Slide switch **CL-SB/8SS**    Detection switch **CL-DA/CL-DB**    Rotary coded switch **SA-7000/SC-1000**    Toggle Switch **CF-TA/8A**    Lever & Rocker Switch **SLA215K/8HD**

In addition to switches used in program settings, circuit configuration and fixed switching in fields such as information systems, communications equipment, control equipment and measurement devices, we have a varied lineup of products from power switches to signal conversion and operation switches.

## ●Trimmer Potentiometers



Single-turn SM Trimmer **ST-32**    Multi-turn SM Trimmer **SM-42**    Single-turn Cermet Trimmer **FT-63**

With airtight structures, these are used in a wide range of industrial fields, including communications equipment, measurement devices, computer peripherals, broadcasting equipment, power devices and medical equipment. These products feature low noise in the contact structure and at the same time are easy to set and adjust.

## ●Current Sensors



Current Sensors **C-CT**

These are clamp-type AC current sensors used in measuring and monitoring electric power consumption in energy management systems such as HEMS and BEMS.

## ●Circuit Protection Components



Pushbutton Switch **8N/CFPB**    Trigger Switch **SGEL106/108 CV-A-Z**    Flat Key Board Switches **FPA016TZ**    DC High Voltage Circuit Breakers **CL-L10**    Circuit Protector **CR-CP/PRCP**    Fast Acting Protector **C-FAP**

These are products used in electric tools for both home and industrial use.

These are switches that are compatible with all kinds of devices, including integrated structures with various circuit elements.

These are products used in the electric power infrastructure field that have achieved a reduction in the number of parts necessary due to a new contact structure.

CR-CP/PRCP are reset excess-current protection elements that use PTC thermistors. These are products which enable repeated use by eliminating the cause of excess-current. C-FAP are semiconductor excess-current protection elements which quickly respond to surge current/excess-current and then self-reset.

## ●Attenuators



Thermal Variable Attenuator **E-TA**

These are products used in temperature correction, such as in high-frequency power amplifiers.

## ●System Instruments (FUJISOKU)



Wireless Device Testers **FU-2052A-01**    Short Range Radio Modules **FW**    Memory Card **JF/JS**

These are perfect for services because they are compact and lightweight. These are products used in the protection of a variety of wireless communications equipment.

These make it possible to link up with various sensors and substrates. These are products used in residential garage shutters and energy monitoring devices.

We have assembled a lineup of flange memory and SRAM products. These are products used in OA/FA data communications equipment and measurement devices.