

Custom Sensors & Technologies (CST) is a specialist in sensing, control and motion products. Through its brands, BEI Kimco, BEI Sensors, BEI PSSC, Crouzet, Crydom, Kavlico, Newall and Systron Donner Inertial, CST offers customizable, reliable and efficient components for mission-critical systems in Aerospace & Defence, Transportation, Energy & Infrastructures, Commercial & Industrial OEMs, Medical, Food and Beverage and Building Equipment markets. Focused on premium value offers and committed to excellence, CST, with 4,700 employees worldwide and sales of \$660M US in 2011, is the dependable and adaptable partner for the most demanding customers.

### The Switches team worldwide



- Production
- Sales subsidiaries



www.crouzet.com



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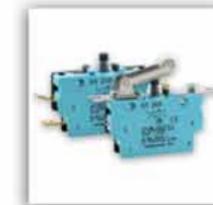
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Microswitches



Switches PBX Secure



Adapted products

[www.crouzet.com](http://www.crouzet.com)

## Electrical equipment Detection / Switching



# Who are we?

With over 50 years' involvement in the European electrical equipment sector, Crouzet, a specialist in snap-action technology with its switching and detection solutions, offers ranges of microswitches, limit switches, manual override switches and sensors.

Crouzet microswitches installed in various devices (disconnectors, circuit breakers, fuse holders, etc) acting as an auxiliary contact, perform signalling or send information when there is a change of electrical state. They can be used to inform maintenance operators or supervision centres of the equipment status.

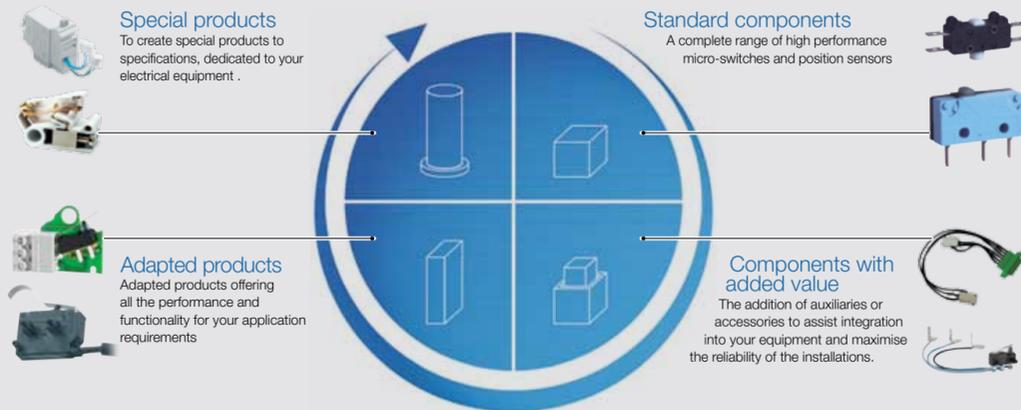
Whether integrated in high, medium or low voltage equipment, Crouzet microswitches are reliable and ensure operational safety and reliability of the installed equipment throughout its lifetime.

Depending on the switched currents and safety levels required, our products meet the technical requirements and comply with the standards relating to electrical equipment (magnetic blow-out, positive opening, UL/CCC approvals).

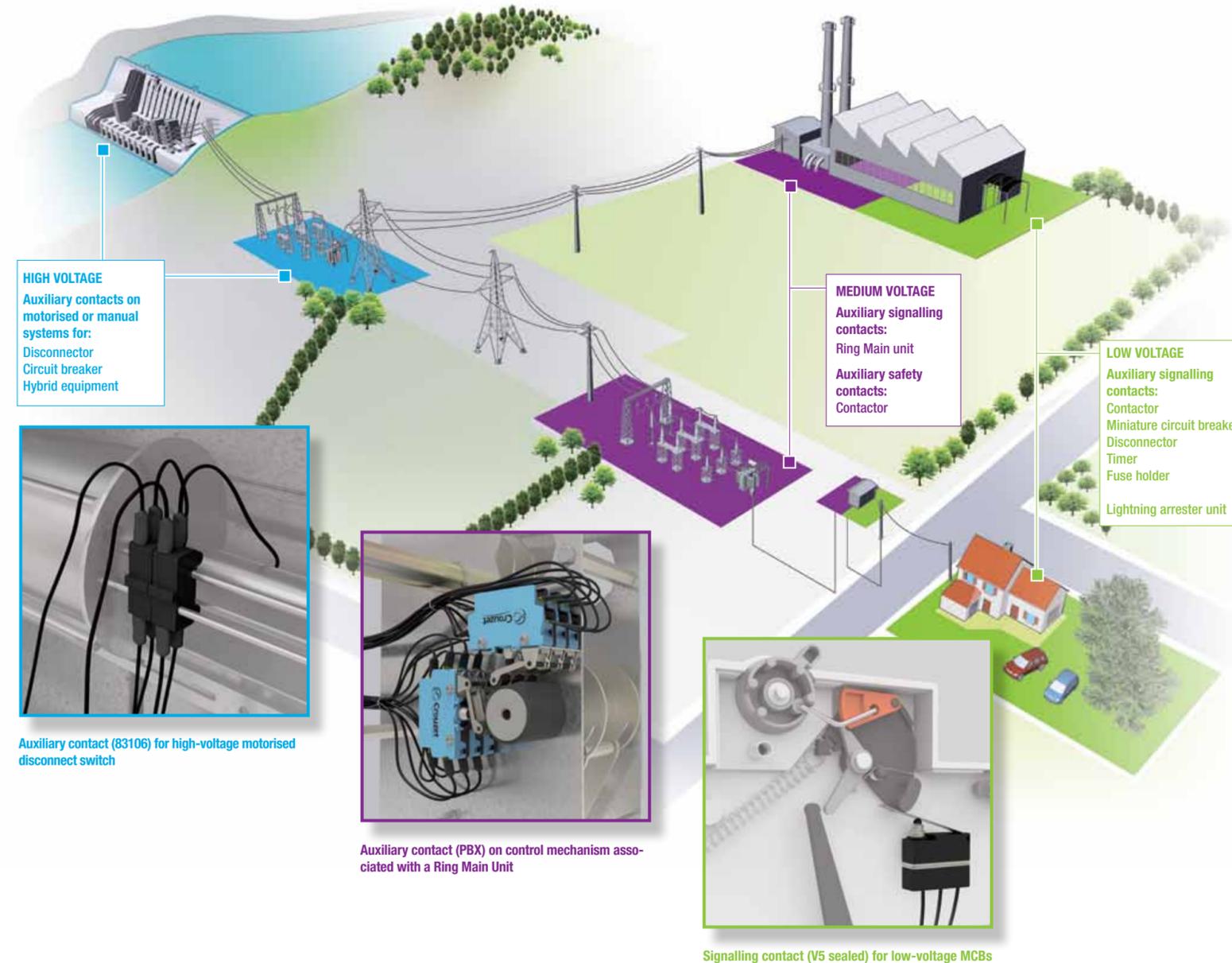
Whether for standard or special products, very small-scale or mass production, Crouzet adapts its industrial tool and deploys its technical and logistical expertise to suit the customer's needs. Crouzet is a Custom Sensors & Technologies (CST) brand.

## Crouzet adaptation

Crouzet has developed extensive expertise in adapting its products based on standard ranges, including the necessary project planning skills when it involves a new programme.



# The Crouzet Switches Offer to the electrical equipment market



## Selection of Snap-action microswitches:

**83106** - Double break, Momentary or Maintained function

- Max. rating 10 A 250 VAC
- Double break changeover switch (form Za)
- Multipole versions on metal plates
- Wide choice of actuators for symmetrical mounting

**83154** - Double break, High DC rating

- Max. rating 5 A 250 VDC
- Double break changeover switch (form Za) with magnetic blow-out
- Multipole versions on metal plates
- Wide choice of actuators

**PBX Secure 8324x** - Double break, Positive opening

- Max. rating 10 A 250 VAC
- Double break changeover switch (form Zb) with positive break operation. Separate NO/NC circuits
- IP67 sealed version, Low level version
- Tag terminals or lead outputs

**V3 83161 & 83160** - Miniature, Operating force 0.15 to 5 N

- Max. rating 20 A 250 VAC
- Dual-current version 1 mA 4 VDC to 5 A 250 VAC
- High DC rating version with magnetic blow-out
- Version with positive break operation
- Extensive choice of actuators, multiposition fitting options

**83133** - Subminiature, Double break, Momentary or Maintained function

- Max. rating 5 A 250 VAC
- Double break changeover switch (form Za)
- Rear, side or front outputs
- Wide choice of actuators for symmetrical mounting

**V4 83170** - Subminiature, Operating force 0.6 to 2.2 N

- Max. rating 12 A 250 VAC
- Dual-current version 1 mA 4 VDC to 5 A 250 VAC
- Mushroom-head button version for multidirectional actuation up to 45°
- Extensive choice of actuators, 2 fitting positions

**V4S 8318x** - Subminiature, IP67 Sealed

- Max. rating 10 A 250 VAC
- Dual-current version 1 mA 4 VDC to 5 A 250 VAC
- Special easy installation versions
- Tag terminals or lead/cable outputs
- Extensive choice of actuators, 2 fitting positions

**V5S 8320x** - Sub-subminiature, IP67 Sealed

- Maximum rating 4 A 250 VAC
- Low level version 1 to 50 mA 4 to 14 V
- Long overtravel : > 2 mm
- Multidirectional actuation up to 45°
- Tag terminals or lead outputs

**Special microswitches: the optimum response**

- Products developed to specification
- Fully integrated in the application
- Characteristics adapted to suit requirements
- Built-in terminal block
- Tried and tested or innovative mechanisms

\* Approval pending