

ELECTRONIC EQUIPMENT DISTRIBUTION

POWER ELECTRONIC COMPONENTS

SECOM

Founded in 1975, SECOM is a leading distributor in the Power Electronic Components market. Over time the company evolved, becoming an important designer and manufacturer of power electronic devices for industrial automation manufacturing technologies for various industrial processes.

Furthermore SECOM continuously carries out new research and technical proposals in conjunction with important clients, providing technical support to meet their specific needs. Flexibility and short delivery time have become pillars to SECOM's company policy.

Headquartered near Milan in Sesto San Giovanni, Italy, SECOM is recognized around the world for manufacturing high quality products. SECOM's technically advanced products combine with our organization's solid field service, committed to providing prompt and reliable support.

HIGH SPEED FUSES



SECOM is a main distributor of EATON – BUSSMANN SERIES – fuses for all industrial applications and especially for high speed fuses used in power electronics.



EATON with his BUSSMANN SERIES is a leader in the worldwide fuses market and provides integrated solutions that meet the evolving needs of technology-driven markets. By creating new and expanding existing product lines, EATON – BUSSMANN SERIES – offers cost-effective,

comprehensive solutions that address customer needs. High speed fuses are used for protecting semiconductor and other sensitive devices. They are available in a variety of voltage and amp ratings for many applications.

- 1** Protection for high power AC/DC converter
- 2** Protection for diodes for rectifier unit
- 3** Fuses for high power water cooled application
- 4** Fuses for industrial market
- 5** Fuses for high voltage industrial application
- 6** Fuses for thyristor power converter





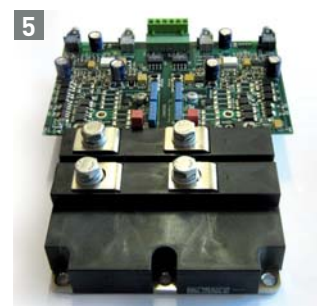
SECOM is a leader in the Italian market for power electronic devices and assembly. It partners with many companies that intend to develop their own special products.



For this scope SECOM has established over time a strong relationship with several important semiconductor producers such as Powerex, Infineon, Poseico, Mithubishi and ABB for a variety of application fields where power semiconductors are used such as phase controlled

rectifiers, DC choppers, inverters, cycloconverters, AC choppers, DC-DC Converters, Power Electronics in Capacitor Charging Applications, Power Conditioning for Renewable Energy Sources.

- 1** Power electronic components
- 2** Power IGBT
- 3** Thyristor for AC converter
- 4** Thyristor assembly
- 5** IGBT inverter module



CAPACITORS



SECOM is a main distributor of ELECTRONICON GmbH, for all their industrial applications, especially capacitors for power electronics.



ELECTRONICON is one of the world's leading specialists in high class capacitors for power factor correction, harmonic filtering, traction and DC link, for white goods, fluorescent lighting and many other AC and DC applications. With its three German manufacturing sites, ELECTRONICON is the country's largest capacitor manufacturer.

AC capacitors serve as damping or snubber connected in series with a resistor and are designed for the damping and undesirable voltage spikes caused by the so-called carrier storage effect during the switching of power semiconductors. When applied as commutation capacitors, they are switched in parallel to a thyristor and are designed to quench its conductive state.

Further, AC capacitors are used in low-detuned or close tuned filter circuits for filtering or absorbing harmonics.

As pulse discharge capacitors, they are useful in applications with reversing voltages, e.g. in magnetizing equipment.

The scope of application for DC capacitors is also diverse: smoothing capacitors serve for the reduction of the AC component of fluctuating DC voltage, e.g. power supplies in radio and television technology, high voltage testing equipment DC controllers, measurement and control technology. Supporting capacitors, DC-filter or buffer circuit capacitors are used for energy storage in intermediate DC circuits, e.g. in frequency converters for poly-phase drives, transistor and thyristor converters. They must be able to absorb and release very high currents within short periods, the peak value of the current being substantially greater than the rms value. Surge (Pulse) discharge capacitors are also capable of supplying or absorbing extreme short-time current surges.

They are usually operated in discharge applications with non-reversing voltages and at low repetition frequencies, e.g. laser technology and lighting generators.

- 1** Power capacitors
- 2** E61 DC capacitors for PCB mounting
- 3** E51 Series high voltage low inductance
- 4** E59 Series
- 5** PK16 High density DC film capacitors



RESISTORS



SECOM is the Italian exclusive distributor of FRIZLEN industrial power resistors. FRIZLEN power resistors represent the highest quality standards “made in Germany”.



FRIZLEN product range is extremely extensive and covers a broad power spectrum from 10 W to 500 kW with a protection degree from IP00 up to IP67.






The wide range of products available in the catalogue allows you to satisfy every need by ensuring high quality of products for applications such as resistors of insertion and limitation, resistors for RC snubber, crowbar, inverter, braking chopper in industrial or traction market.

FRIZLEN power resistors could be used in many applications as:

- Braking resistors for frequency converters and DC drives
- Current limiting resistors for charging and discharging capacitors

- Field rheostats for generators
- Protective resistors
- Resistors for current and voltage clamping
- Fitting in electronic power devices
- Load resistors for battery systems, generators or emergency power supplies
- Starting resistors for DC motors
- Stator series resistors for squirrel-cage motors
- Discharge resistors for batteries
- Starting and speed control resistors for slip-ring motors
- Earthing resistors for low-voltage supplies

and could be used in many different industrial segment as: Metals, Transport & Logistics (Railways, Cranes, Maritime, Storage), Drives, Power Electronics, Lift, Elevator and Escalator, Mining, Oil & Gas, Solar & Wind energy, Welding.

FRIZLEN products portfolio:	1 W	100 W	1000 W	10 KW	100 KW	250 KW
T100 Tubular fixed resistors 	12 W		6 KW			
T200 Potentiometers 	2 W		1500 KW			
T300 Flat resistors 	5 W		4,8 KW		Water-cooled 10 40	
T500 Lamina type resistors 	Convection cooled		150 W		30 KW	
					Forced ventilation 75 KW 250 KW	
T600 Steel-grid resistors 	Convection cooled		0,5 KW		66 KW	
					Forced ventilation 75 KW 250 KW	

SECOM

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Since 1995 SECOM has obtained
an international quality certification

ISO 9001

BUREAU VERITAS
Certification

