

*E-T-A circuit breaker type 3130 helps to reduce components.*

# New circuit breaker and switch combination for protection of air-conditioning systems

*Design engineers today are trying to systematically reduce individual components. This is a key factor of cost-efficient design.*

Normally less components also means more space which is enabled by the design of compact products. In order to support Design Engineers in their search for parts reduction, E-T-A offers a combination of circuit breakers and switches. These are thermal circuit breakers providing overcurrent protection and serves as an ON/OFF switch for devices, machinery and equipment at the same time. E-T-A is the world market leader in circuit protection and offers a wide range of circuit breaker and switch combinations. It does not only include various designs and actuating methods, but also a wealth of colour, marking and illumination options.

## **New: type 3130 with push button operation**

The latest model in the circuit breaker/switch combination range of E-T-A is the single pole thermal circuit breaker type 3130 with push button operation. The design was initiated by our French customer Legrand who uses E-T-A's circuit breakers in installation frames of on/off switches for air-conditioning systems. The 3130 provides overcurrent protection for the installation cables leading from the switch frame to the air-conditioning system. In the event of an overcurrent the E-T-A circuit breaker trips, goes into OFF position and reliably disconnects the air-conditioning system and its cables from the supply network. Another feature of type 3130 with push button operation is a new option for electrical connection: it can be ordered with 45° angled screw terminals with M4 screws and clamping piece. This makes the 3130 a valuable and highly suitable component for installation technology.



*The new installation frame "Dismatic" made by LEGRAND*

## **A choice of applications**

E-T-A circuit breaker and switch combinations are suited for a wide range of applications due to their robust and reliable design, including medical equipment, professional tools, household appliances and gardening tools. For example in France, E-T-A products are used by manufacturers of floor sanding machines and concrete vibrators. Another application field is sailing yachts where the E-T-A circuit breakers are installed in central dashboards. They serve for switching on and off of all loads on board such as the bilge pump, the anchor light or the interior lights. At the same time they protect cables and loads against possible damages caused by overheating in the event of overcurrents.



*New E-T-A circuit breaker version type 3130 with two push buttons*