

# MERLIN GERIN

solid state  
Compact CM  
circuit breakers  
1250-3000 A



*mastering electrical power*



MERLIN GERIN

**circuit breaker  
specialists for more  
than half a century**

Since 1932, when Merlin Gerin produced its first low voltage air circuit breakers, the company has become the world's only manufacturer to specialize exclusively in circuit breakers.

Since half a century ago, progress in state of the art engineering has been ever increasing and molded case circuit breakers were introduced enabling the company to rank among the leaders.

Listed by Underwriters Laboratories, the Merlin Gerin Compact CM circuit breaker is a leader from Canada to Australia as well as in countries such as Saudi Arabia, where operating conditions are very severe.

**exclusive design for  
optimum performance  
and simplicity**

All five ratings of the CM circuit breaker come in the same size compact insulated casing, and are designed for optimum simplicity in layout design and installation.

**the Compact CM circuit  
breakers are UL listed for  
application at 100% of  
rating.**

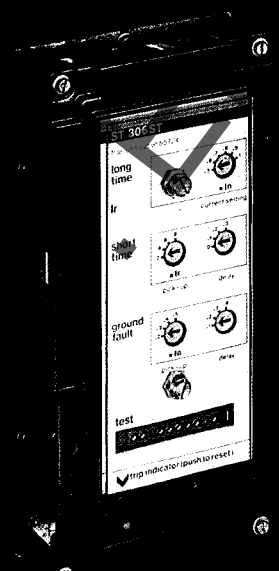
**high endurance**

The endurance of the design is four times greater than that required by the standards.

*Maintenance free circuit breaker design reduces downtime and maintenance costs.*



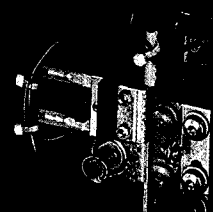
*solid state trip unit*



*undervoltage trip device*



*shunt trip*



*4 auxiliary switches  
plus 1 alarm switch*



Available for continuous operation at 100% of rating  
A model of this type is listed under 100% of rating  
(1) 100% of 100% (2) 100% of 100% (3) 100% of 100%  
It is subject to change without notice.

## solid state protection

Merlin Gerin has manufactured protective devices for utilities, industrial and nuclear applications as well as for marine and Navy. The Statipact is a solid state trip unit standard on all CM circuit breakers. It is energized by internally mounted current sensors and requires no external supply to operate the tripping device mechanism.

### 4 Statipact models are available :

■ **ST 206 D** provides overload and instantaneous protection :

- Adjustable current setting.
- Adjustable instantaneous pickup.

■ **ST 306 S** is designed with a wider range of adjustments than the ST 206 D by incorporating the short time feature :

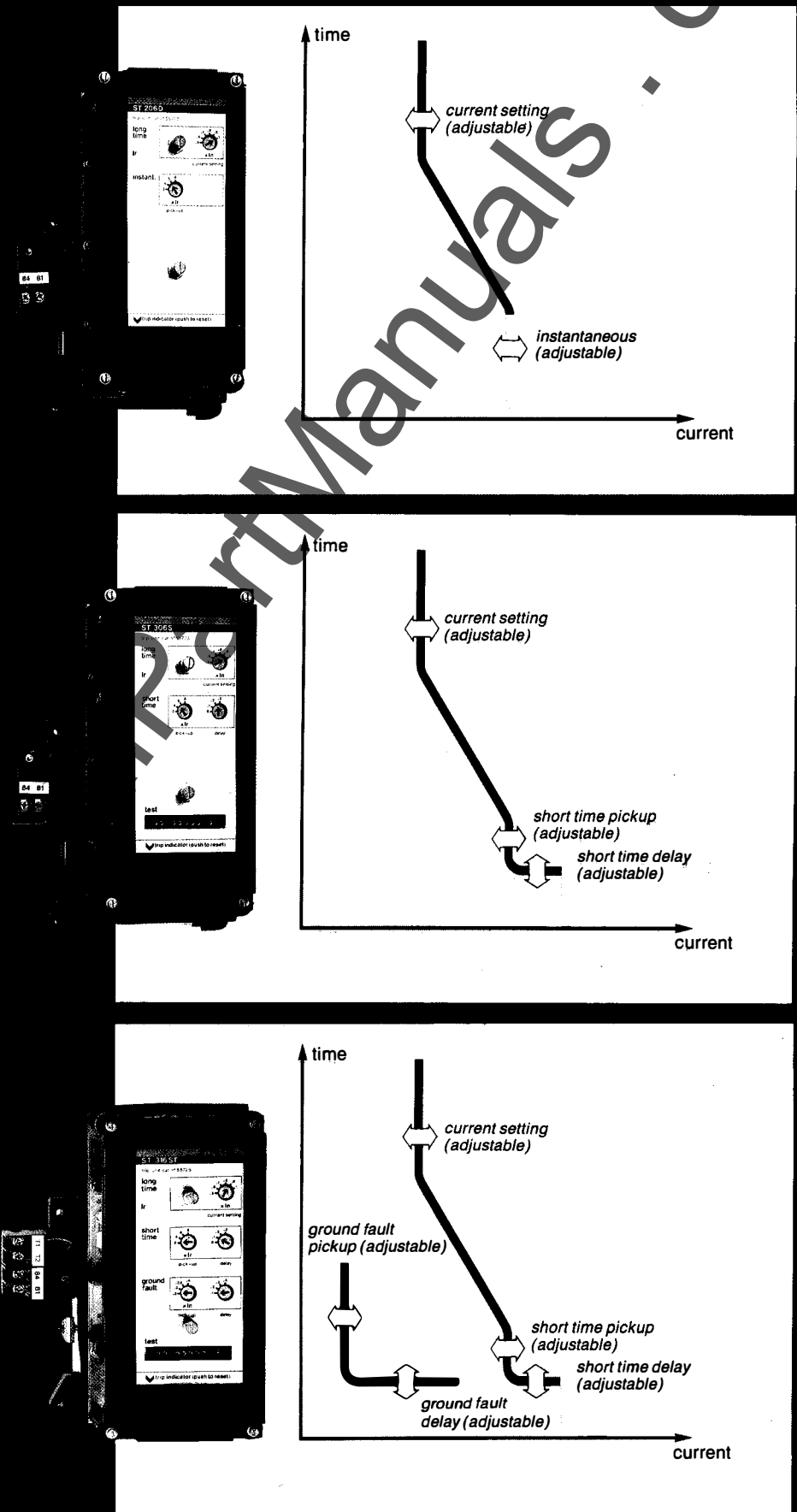
- Adjustable current setting.
- Adjustable short time pickup and delay.
- Instantaneous override.

■ **ST 306 ST – ST 316 ST**

Both models are designed for applications requiring selective and ground fault protection.

## portable field testing

ST 306 S, ST 306 ST and ST 316 ST trip units include a **test receptacle** which provides a means for checking all settings. Testing can be carried out on site with the circuit breaker installed in the cubicle.



Merlin Gerin, a leading manufacturer of high and low voltage switchgear has also gained worldwide recognition for its electronic control and protection equipment.

### electrical engineering expertise

Merlin Gerin designs, produces, and installs switchgear and equipment to master electrical power from generation right through to its final use.

### electronics know-how

Merlin Gerin develops and implements electronic equipment for:

- power control (programmable controllers, uninterruptible power supplies),
- protection systems for power generating stations.

### turnkey projects

Merlin Gerin is present throughout the world as a turnkey supplier for:

- electrical power distribution (interconnection and distribution substations),
- power station electrical auxiliaries,
- electrical systems and process automation in large industrial and commercial complexes.

### local sales organization US facility

Our headquarters are located in Atlanta, Georgia. With large inventories and testing facilities, Merlin Gerin is fully equipped to provide complete service.

### Canada

Merlin Gerin Canada, a wholly owned subsidiary has been in business for 30 years and manufactures LV and MV switchgear. The company has sales offices throughout Canada.

### international sales organization

Merlin Gerin has 60 subsidiaries and 1 200 sales outlets worldwide guaranteeing attentive, efficient sales and service.

standard rated breaker:  
100% rated breaker:

CM 1250NE  
CM 1250NN

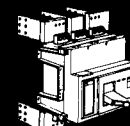
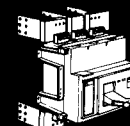
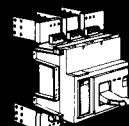
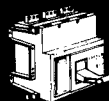
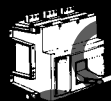
CM 1600NE  
CM 1600NN

CM 2000NE  
CM 2000NN

CM 2500NE  
CM 2500NN

CM 3000NE  
CM 3000NN

\* 3 pole



rating

1250A

1600A

2000A

2500A

3000A

U/L listed

interrupting rating 240 V  
RMS Sym. Amps 480 V

85,000  
85,000

85,000  
85,000

85,000  
85,000

85,000  
85,000

85,000  
85,000

#### options:

shunt trip device  
undervoltage trip device  
auxiliary switches  
alarm switch  
overcurrent trip switch  
padlocking

MERLIN GERIN INC.  
5000 Highlands Pkwy  
Suite 150  
SMYRNA, GA 30080  
(404) 432-2744