



# EntelliGuard™ G

Power Circuit Breaker

Uncompromising, Fast & Selective

New  
2008



GE imagination at work

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## Power Circuit Breaker

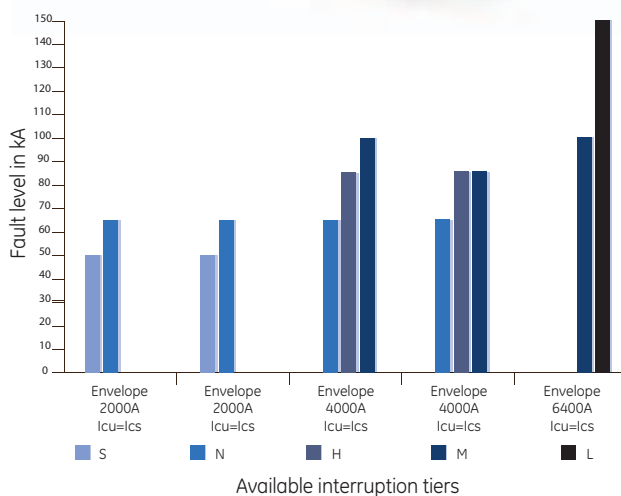
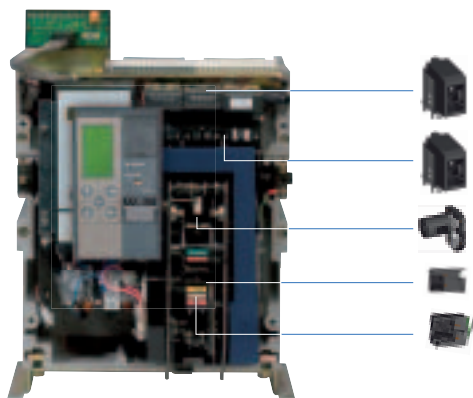
EntelliGuard™G is a **new line of Air Circuit Breakers** evolved from the existing M-Pact & ME07 series to offer a truly global product platform meeting IEC, ANSI and UL standards.

A line of **Three and Four pole devices** ranging from 400 to 6400Amp in three basic frames with fault interruption ratings of up to 150kA. A design offering a unique combination of high fault current withstand ratings, short fault interruption times and selectivity.

The device includes the **new state-of-the-art EntelliGuard™G TU trip unit** that enables the circuit breaker with the latest technology for system safety, reliability, measurement, relaying and communications using the Modbus or Profibus Protocol.

## A Global Platform

EntelliGuard™G **Power Circuit breakers** are available in executions fully meeting and certified in accordance with EN 60947-1 through 5, ANSI C37 and UL 489 standards. They also meet the requirements of Lloyds Register of Shipping.



## Easy to Fit, Common, Modular Accessories

A **large range of internal accessories** as electrical operators, shunt releases, closing coils, undervoltage releases, interlock coils, auxiliary and alarm contacts are available. Each of these devices can be acquired factory fitted or are available in a field mountable execution. The design being common to all three frame sizes.



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# Uncompromising...

Designed to provide the user with years of safe and reliable service by combining a long life span in mechanical and electrical operation mode with interruption features specifically designed to warranty selectivity and reduce hazards to the user. We call it a Power Circuit Breaker because it's **designed to make a difference.**

# Easy to Install

EntelliGuard™ Air Circuit Breakers are available in a **Fixed and Draw out pattern.** Each pattern offers the highest possible current rating when enclosed in a panel or equipment and allows more than ample space to connect in- and outgoing busbars and cables. Multiple front or rear access connection modes are possible.

Independent of the number of poles, the rated current or the interruption rating, each of the two patterns has a common height, depth and cut out dimension. This strongly simplifies the design of panels and equipment in which these devices are used.\*

EntelliGuard™ is a new breaker that definitely acknowledges its heritage. Without compromising any of the new design features EntelliGuard™ is more than 80% compatible with the older M-Pact Plus design.

\* The width does vary



# State of the Art Trip Units

All EntelliGuard™ Breakers are equipped with a **digital electronic trip unit**, available in four basic versions E, S, N and H. Each has a common design that comes with a screen providing an ammeter and allowing a simple and accurate menu driven adjustment of the breaker parameters across a broad current range.

The basic E type is designed as a fully selective trip unit including an ammeter, overload settings from 0.2 to 1 times the breaker rating and a short-circuit protection with settable timings. The S type adds a standard or high value settable instantaneous short-circuit protection and is available with Ground Fault protection and /or communication.

The N type trip unit enhances the functionality of the breaker by adding a full measurement package whilst the H type adds functions as relaying, wave form capture, an extended Ground Fault protection with 'Source Ground Return' and a choice of communication protocols.

- Easy to install
- Selective and fast
- Uncompromising in safety and reliability
- Common, field mountable accessories
- Global, high performance complete line

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## Power Circuit Breaker

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GE CONSUMER & INDUSTRIAL  
POWER PROTECTION  
Nieuwevaart 51  
B-9000 Gent - Belgium  
Tel. +32/9 265 21 11  
Fax +32/9 265 28 00  
E-mail: [gepcb@gepc.ge.com](mailto:gepcb@gepc.ge.com)

GE POWER CONTROLS Ltd  
129-135 Camp Road  
St Albans  
Herts AL1 5HL  
United Kingdom  
Customer Service  
Tel. 0800 587 1251  
Fax 0800 587 1239  
[gepcuk@gepc.ge.com](mailto:gepcuk@gepc.ge.com)



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