



EntelliGuard™

Power Circuit Breaker

Uncompromising, Fast & Selective

New



GE imagination at work

EntelliGuard™

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

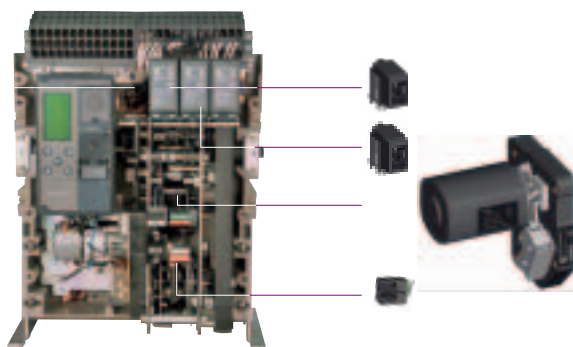
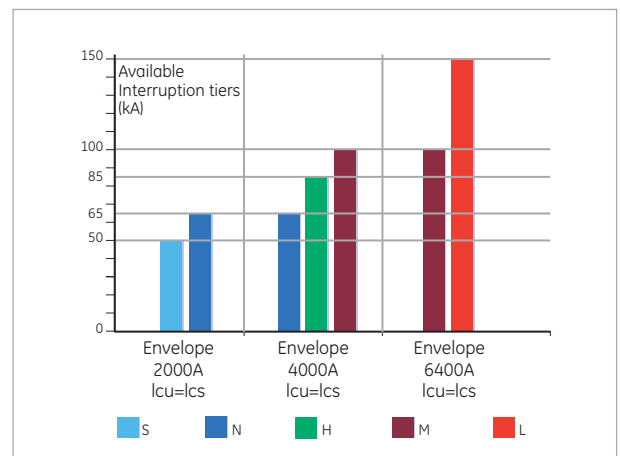
The range consists of **Three and Four pole devices** from 400 to 6400A in three basic frames with fault interruption ratings of up to 150kA. The design offers a unique combination of high fault current withstand ratings, short fault interruption times and selectivity.

The device includes the **new state-of-the-art EntelliGuard™ trip unit** that provides the latest technology for system safety, reliability, measurement, relaying and communications using the Modbus or Profibus protocol.



A Global Platform

EntelliGuard™ **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 Lloyd's Register of Shipping.



Easy to Fit, Common and Modular Accessories

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



Uncompromising...

Designed to provide the user with years of safe and reliable service by combining a long mechanical and electrical operation life span with interruption features specifically designed to provide selectivity and reduce hazards to the user.



Easy to Install

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

Independent of the number of poles, the rated current or the interruption rating, each of the two configurations has a common height, depth and doorcut out dimensions. This simplifies the design of panels and equipment in which these devices are used.⁽¹⁾

EntelliGuard™ is a new breaker that embraces it's heritage. Without compromising any of the new design features EntelliGuard™ is more than 80% compatible with the older M-Pact Plus design.

(1) 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 adjustable timings. The S type adds a standard or high value adjustable 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 functionality such as relay outputs, wave form capture, an extended Ground Fault protection with 'Source Ground Return' and a choice of communication protocols.



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Fast & Selective

EntelliGuard™

Power Circuit Breaker

- Easy to install
- Selective and fast
- Uncompromising in safety and reliability
- Common, field mountable accessories
- Global, high performance across the range



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