



# POWER ELECTRICS FOR RAIL APPLICATION



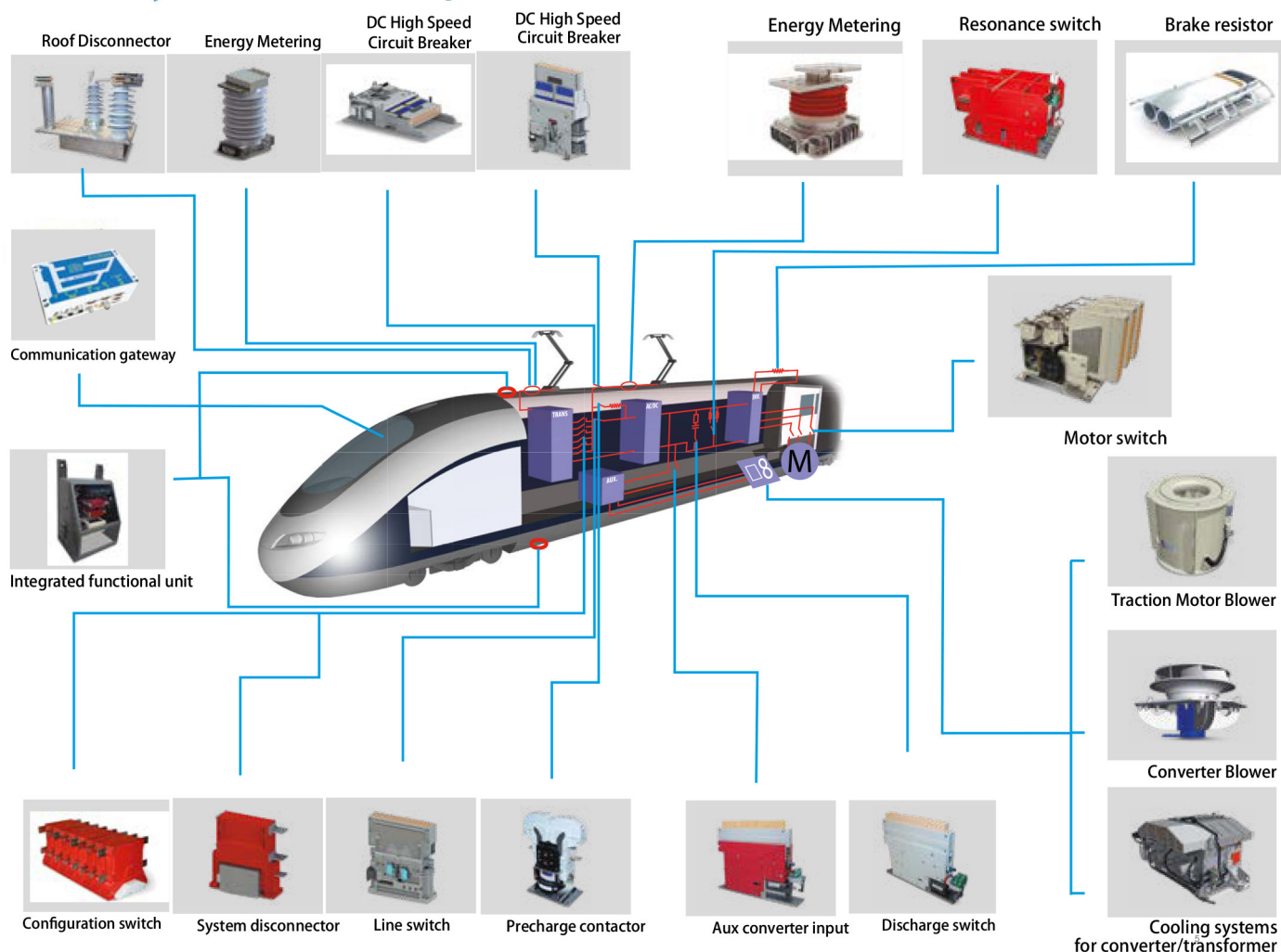
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A GLOBAL LEADER IN STATE-OF-THE-ART ELECTROMECHANICAL AND ELECTRONIC COMPONENTS AND SYSTEMS FOR RAIL VEHICLES, TRACTION POWER AND ENERGY & INDUSTRY APPLICATIONS.

## ON-BOARD APPLICATION COMPONENTS FOR

- CONTACTORS
- DC HIGH SPEED CIRCUIT BREAKERS
- DISCONNECTORS
- RESISTORS
- ELECTRONIC TRANSDUCERS
- FANS
- SWITCHGEARS ON BOARD

## A tailored solution for every traction component need



# PROTECTION RELAYS

## MC30-2T (GB310)

### THREE PHASE + NEUTRAL CURRENT PROTECTION RELAY

Demand for re-branding

Demand for complex solution

High Market potential in low cost Countries



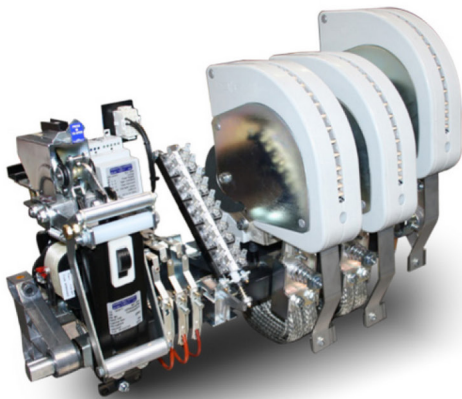
Focus on low-cost range

M- & MC - line can't be further developed

Easily customizable front panel

#### General Characteristics

G-Base is the new generation of Microelettrica Scientifica's base-performance protection relays. This range is the ideal solution for protection and automation, thanks to its high configurability. It is based on the same powerful microprocessor adopted on high-performance G-Pro range. G-Base platform is based on a four-channel configuration, allowing it to be used for current and voltage protection functions. MC30-2T, part of the G-Base range, is a relay designed for the interface to the power distribution grid.



# SWITCHES

#### General Characteristics

- The bar mounted modular extra heavy duty line, up to 1000V DC/AC application, up to 6000A/pole
- Stationary application only
- Up to 6 poles configuration, NO and NC poles direct arc blow out various aux contacts options
- Flexible control and adjustment configurations, total unit customization possible

# A-LINE ANALOGUE RELAY

#### General Characteristics

The series of electronic analogic protective relays here below presented has been designed according to the most advanced technologies in order to obtain the highest reliability, accuracy and immunity to interference and is made with first choice components safely dimensioned and protected. The application of severe testing and quality control procedures guarantees the reliability of the product.

