



REF:INABB:STATUT:LODR:PRESS REL

May 07, 2024

BSE Limited
P.J. Towers
Dalal Street
Mumbai 400 001
(Attn : DCS CRD)

National Stock Exchange of India Ltd
Exchange Plaza, 5th Floor
Plot No. C/1, G Block
Bandra-Kurla Complex, Bandra (E)
Mumbai 400 051

Dear Sirs

Sub: Press Release titled “Miniature Circuit Breaker ‘hidden hero’ enabling energy transition built on 100-year safety legacy”

Please find enclosed Press Release being issued by the Company on the captioned subject.

Kindly take the same on record.

Thanking you,

Yours faithfully,

For ABB India Limited

Trivikram Guda
Company Secretary and Compliance Officer
ACS 17685

Encl: as above

BENGALURU, INDIA, MAY 7, 2024

Miniature Circuit Breaker ‘hidden hero’ enabling energy transition built on 100-year safety legacy

- Since 1924, ABB has been producing MCBs and completed 100 years of innovation in electrical safety globally
- ABB’s MCBs continues to set industry standards for performance, with compact, flexible and time-saving designs enabling easy installation
- Essential for safety & reliability, these are deployed across residential, commercial industrial sectors and transportation infrastructure

ABB’s first-of-its-kind Miniature Circuit Breaker (MCB)* reaches a milestone 100-year anniversary of protecting electrical circuits and while evolving to meet the sustainability needs of the future. MCB’s has transformed our daily lives by ensuring the safety of both commercial and residential buildings, mitigating the risk of unforeseen incidents. Its implementation has not only revolutionized home safety but also extended electrical safety across society as a whole. Applied across all segments, ABB’s MCBs help in protecting particularly vulnerable spaces, such as factories, data centres, homes, commercial spaces, transport infrastructure and more from electrical hazards. The company has been manufacturing these MCBs in India since 2001 in their Industry 4.0 Nelamangala factory.

MCBs detect electrical faults such as overcurrents (short circuit & overload) They then disconnect the circuit within 10 milliseconds which is 10 times faster than the blink of an eye. The electrical system can then be quickly and easily reset without the need for it to be replaced. As we transition towards a net-zero future, it is essential to increase electrification and integrate more diversified, renewable energy sources. This means protection devices such as ABB’s MCBs, have larger electrical loads to manage along with variations in power supply and demand. ABB provides electrical safety to everything from solar panels and heat pumps to electric vehicles and brings additional protection against faults like residual currents, surges, earth fault currents, or arc faults.

“We at ABB India are proud to be part of this 100-year old legacy of MCBs enhancing electrical safety in India and around the world. Our future-focused portfolio centres on achieving energy efficiency and transparent, sustainable practices. Our designs are compact, modular, and flexible, enabling buildings to be retrofitted and to integrate renewable energy sources, quickly and safely. These products are ‘Made in India’ at our state-of-the-art manufacturing facility equipped with automation technology for utmost precision and quality. These play a key role in ensuring the safe development of sustainable & modern communities, cities and urban landscapes for our future.” says Kiran Dutt, President Electrification, ABB India.

Today's protection devices make new and old buildings around the world safer, smarter, and more sustainable. Compact designs enable retrofitting even in historical buildings where space is limited. ABB has helped safeguard and update the electrical systems with their MCBs and auxiliary products, across various key infrastructure projects, monuments, commercial and residential spaces not only in India but across the globe. With different ranges available for varied applications and additional features through auxiliary products, ABB's MCBs are versatile and adaptable. Nowadays, complete protection, including Miniature Circuit Breakers (MCBs), Residual-current devices (RCD), Arc Fault Detection Devices (AFDD), and Surge Protection Device (SPD), is providing increasingly higher performance, lower carbon footprint, and greater connectivity to increase energy efficiency and decarbonization.

About the resettable MCB

In 1918, ABB's forerunner, Brown, Boveri & Cie (BBC), purchased Stotz Kontakt, an electrical supplies company based in Mannheim, Germany. The company's founder, Hugo Stotz stayed on with BBC and, working with his chief engineer, Heinrich Schachtner, invented the first resettable Miniature Circuit Breaker, a device that was patented in November 1924.

By combining thermal and magnetic trips into a single, reusable unit, the MCB was patented in 1924, becoming capable of switching off high currents and becoming resettable, meaning devices didn't have to be repeatedly replaced. Today, ABB has eight factories globally manufacturing MCBs with more than 100 million poles per year.

ABB is a technology leader in electrification and automation, enabling a more sustainable and resource-efficient future. The company's solutions connect engineering know-how and software to optimize how things are manufactured, moved, powered, and operated. Building on over 140 years of excellence, ABB's more than 105,000 employees are committed to driving innovations that accelerate industrial transformation. www.abb.com

ABB Electrification is a global technology leader making efficient and reliable use of electricity from source to socket possible. With more than 50,000 employees across 100 countries, we collaborate with our customers and partners to solve the world's greatest challenges in electrical distribution and energy management. We help businesses, industry, and consumers run their facilities and homes efficiently and reliably. As the energy transition accelerates, we are electrifying the world in a safe, smart, and sustainable way. go.abb/electrification

For more information please contact:

Sohini Mookherjea

Phone: +91 80 2294 9150 – 54

Email: sohini.mookherjea@in.abb.com