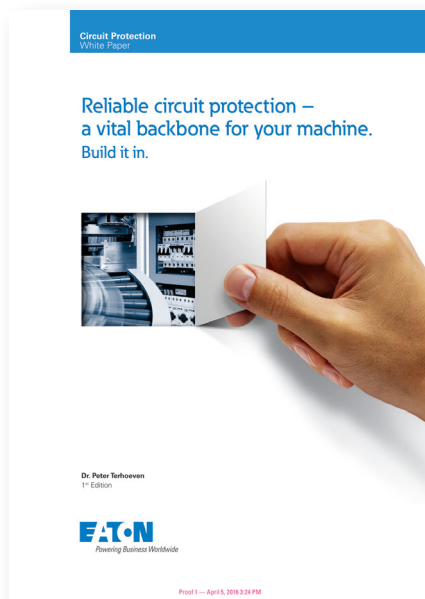




Reliable circuit protection – a vital backbone for your machine. Build it in.



Machine efficiency and performance gives businesses the distinct competitive edge they need to be successful in today's global market.

A key element of any machine's reliability and safety is effective circuit protection. However, with many types of electrical faults, and with thousands of circuit protection solutions available, it is a challenge to know where to start and which technology is the most appropriate for a given application. That's where trusted partners are vital.

This white paper by Dr. Peter Terhoeven, R&D Group Manager at Eaton, is an essential read for those looking to deliver best-in-class machines with global compatibility.

Please go to the next page to read the executive summary of this white paper.



Through exploring potential electrical problems, for example over-currents, residual or leakage current, arcing faults and surges, and their consequences, the white paper shows machine and system builders how they can build effective strategies. These strategies enable them to deliver advanced, reliable and safe machines, thus protecting people and assets, to reduce downtime and associated costs for their end customer.

The paper explains how loss of production through power blackouts, nuisance tripping, equipment failure and damage due to electrical faults can be significantly reduced or eliminated by using the right circuit protection. In addition, it reviews applicable standards and gives an overview of circuit protection technologies such as circuit breakers, fuses, residual current devices (RCDs) and arc fault detection devices (AFDDs). Furthermore, through using advanced technologies such as digital RCDs, which give pre-warning so faults can be recognized before tripping occurs, availability and uptime of machines can be improved and the need for unscheduled maintenance reduced.

For machine building companies operating on a global scale, knowing they can get the right parts delivered to the right place and at the right time is essential. Circuit protection providers that have worldwide manufacturing coupled with local technical support, means machine suppliers can improve their own global manufacturing and maintenance strategy – an important factor in increasingly challenging global markets. They can also assure to meet the local safety, security and legislative standards.

In addition, companies are looking to improve their bottom line by simplifying their supply chain. Reducing the number of suppliers for all circuit protection components to a single source can have a significant impact. Working with partners that have an extensive circuit protection portfolio enables machine and system builders to streamline their procurement processes and increase efficiencies considerably.

Ultimately, machine builders that design efficient machines in collaborative and cost-effective partnerships benefit from overall business success.

To learn how the right circuit protection solutions can improve profitability download our white paper [here](#).

www.eaton.eu/en/cp/gen

Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland
Eaton.eu

© 2015 Eaton
All Rights Reserved
Printed in XXX
Publication No. WPXXXXXXEN / XXX
Article No. XXXXXX
April 2016

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions. Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrant a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to Trademarks (especially Eaton, Moeller, and Cutler-Hammer). The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

