



NewsBreaker

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CBI TRAINING

CBI and Mitsubishi Product Training

- 5 July Carletonville Mines
- 19 July Anglo Gold Orkney

CBI Product Training

- 12 July City Council Potchefstroom
- 13 July City Council Klerksdorp

ECA Meeting Training

- 7 July ECA Rustenburg
- 14 July ECA Pretoria
- 21 July ECA Nelspruit
- 28 July ECA Witbank
- 23 August ECA Vaal Triangle

EXHIBITION

- Impala Electrical Exhibition Malalane

For further information please contact CBI's Training Co-ordinator, Janos Toth, 082 560 6089.

Join in the fun and win great prizes!



If you haven't already heard about our SMS promotion, you're losing out. Be sure to fax in your wiring accessories invoices for all CBI Switch Advantage products that you purchase, because not only can you win a different cash prize to the value of R2000 EVERY WEEK until the end of September, but you will be able to win A Nissan Hardbody worth R150 000! This vehicle is PERFECT for your kind of business. Just imagine a brand new bakkie... and it could really be yours!

If you're questioning how your need for power, style and features fused with legendary working capacity and indestructible reliability can be met, then you've found the answer - the Nissan Hardbody.

Turn the key. Slide into gear. Engage and take on the road. Stylish urban cruiser. Accomplished off-road muscle. Easy freeway rider. And will-

ing workhorse. Want to feel the hair on your arms stand up a bit. Hardbody - the answer.

All this could be yours by simply purchasing CBI's new Switch Advantage range of plugs and sockets, and faxing your invoices through to 086 615 0113. If you have any queries please call CBI on 011 928 2022. Or visit www.bar-none.co.za.



THIS Nissan Hardbody could be yours!

Increase your chances of winning each time you purchase CBI Switch Advantage products!



No barcodes on products?

All Bar None members, please note that we have received complaints about products that have no barcode stickers. We are in the process of solving this matter.

If you do receive products with out barcode stickers please let Andrina at CBI know! (011) 928-2103.

Remember.. Remember... 30 September

All unclaimed points held by members 1 - 898 are up for expiry at the end of September 2005. So please make sure to send in your reward claim forms, because we don't want you to forfeit any of your points this year - or ever. Remember that barcode points are only valid for 2 years after which unclaimed points, if they have not been redeemed, will expire.

Smarten up your operation!

CBI Automation has an amazing introductory offer on a demonstration kit for only R5350.00 excl VAT. What better way to start learning about variable speed drives (VSD) and human machine interfaces (HMI) than with the following equipment?

- 1 x E520 VSD
- 1 x E150 HMI
- 1 x CAB5
- 1 x CAB9
- 1 x CAB DC24-5V
- 1 x E-DESIGNER SOFTWARE

A new introduction to an old CBI product – CBI's DC range



CBI has launched a range of DC circuit breakers in South Africa. The range, already proven in global applications, has been tailored to South African needs and provides a solution for any conceivable application.

The circuit breakers cover current ratings from 20 mA to 1500 A, in applications for voltages up to 250 VDC, in breaking capacities up to 20 kA. They can be mounted on Mini Rail, Din Rail, surface mount and panel mount.

All products are based on the hydraulic magnetic principle, making it unnecessary to de-rate for environmen-

tal temperatures. Significant savings are achieved by not having to oversize cables.

Global customers have expressed a preference for buying all their DC circuit breakers from a single supplier and with the new launch CBI has become the sole supplier to many customers.

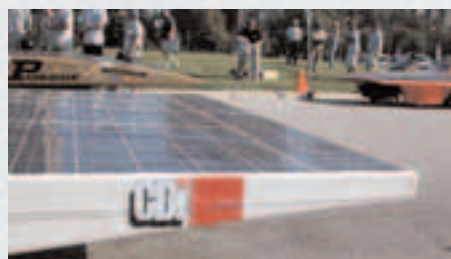
Contact

For more information call
Bradley Smith at CBI on
011 928 2325

CBI does it's bit for solar car technology

Penn Solar Racing (PSR) is an entirely student-run non-profit organization created with the primary vision of designing and building a solar powered vehicle to race in the biennial American Solar Challenge (ASC). The Penn Solar Racing (PSR) team is comprised of three distinct teams: mechanical, electrical and business. Each division contributes an invaluable part to the team's ultimate goal of winning the American Solar Challenge (ASC).

The purpose of the electrical team is to design and build all necessary electrical systems that the solar car needs. These responsibilities include designing the solar cell layout, wiring the electrical system to the batteries, acquiring user inputs from the vehicle and providing telemetry information to the chase vehicles during the race. By building of the solar car, students



CBI's product sponsorship gains us a spot on the prestigious solar car!

are able to learn about how real-world electrical systems are designed and built from start to finish. Each year CBI donates two D-Frame circuit breakers to assist the students' cause!

The team's second goal is to educate and inform the public of alternative energy sources. The team primarily accomplishes this goal by displaying its car in two venues. The first is competition is the high-profile ASC. Second, the team plans to serve as an educational resource which students of



The PSR Student Team

all ages can turn as they discover the importance of clean energy. The team's new website will include an extensive description of solar energy and the workings of solar cars as well as links to other educational solar energy sites.

Contact

For more information
please visit
www.seas.upenn.edu/~solarwww

World Super Series

Indestructible

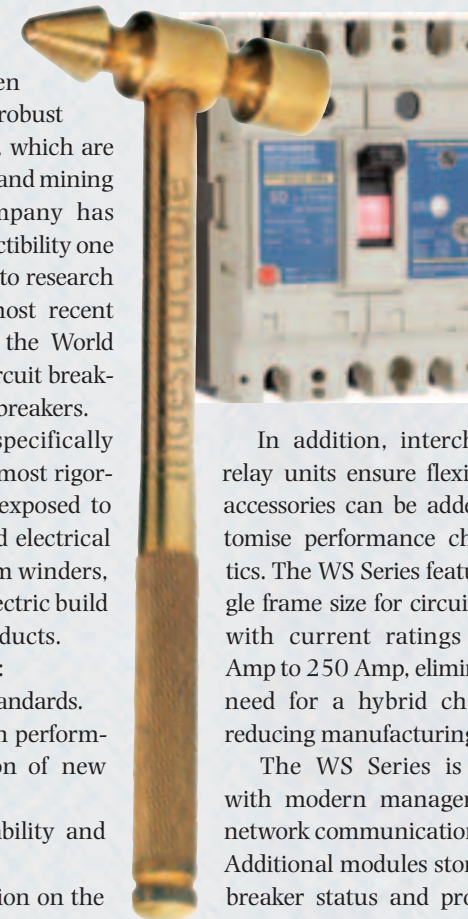
For thirty years, Mitsubishi has been known for the reliability and robust nature of its circuit breakers, which are used extensively in industrial and mining applications. Now, the company has taken its expertise in indestructibility one step further. Its commitment to research and technology finds it's most recent incarnation in the form of the World Super Series moulded case circuit breakers and earth leakage circuit breakers.

The WS Series is specifically designed to work under the most rigorous conditions and can be exposed to dust, high temperatures, and electrical harmonics such as those from winders, without the problems of dielectric build up encountered by other products. The product line-up features:

- Compliance with global standards.
- Long service life and high performance with the application of new technology.
- A new standard in reliability and flexibility.
- A new system configuration on the strength of intelligent breakers.
- High quality and ease of use combined with extreme safety.

New technology

To ensure 'one-class higher' performance, Mitsubishi has applied the Polymer Ablation type Auto-Puffer, the Jet Pressure Trip Mechanism and the advanced Impulsive Slot-type Accelerator technologies to the World Super Series range.



In addition, interchangeable relay units ensure flexibility and accessories can be added to customise performance characteristics. The WS Series features a single frame size for circuit breakers with current ratings from 16 Amp to 250 Amp, eliminating the need for a hybrid chassis and reducing manufacturing costs.

The WS Series is designed with modern management and network communication in mind. Additional modules store data on breaker status and provide network capabilities for communication via CC-Link or Profibus DP.

CBI is the authorised distributor of the Mitsubishi Electric range of products.

Contact

For more information call
Ettienne Delpont
edelpont@cbi.co.za at CBI on
011 928 2325

• Frequently Asked Questions •

Q There is a need to use QAT's and ECU's to supply loads (inductive or resistive) which are larger than the ratings available on these products. Can this be achieved?

A This can be achieved by using the QAT or ECU to switch the coil of a suitably rated contactor.

E.g.: 1) To control a motor where the motor full load current is in excess of 10A inductive.

2) To switch resistive loads in excess of 21A.

Q Can ECU's be used with CT's for circuit operation on high current loads?

A By using the ECU, an alarm signal can be given to indicate overcurrents.

E.g.: A circuit carrying 200A is fitted with a CT (with a ratio of 200/5). The CT outputs are connected across an ECU with a rating of 5A. When the current exceeds 105% of the ECU rating an alarm signal is given.



A full house at Flip Side Durban.



Some of the CBI team in Richards Bay.

The next Flip Side workshop

■ Bloemfontein 21 July, The President Hotel

The Flip Side Workshop will expose a range of applicable information for the Industrial, Mining, Distribution and Residential markets. Our keynote speaker Viv Cohen, an expert in the field of low voltage electrical protection and control, will discuss the technologies and applications surrounding electrical protection.

Viv Cohen's sought after "Application Guide for the Protection of Low Voltage Distribution Systems" will be distributed to those who reply for the workshop early.

For further information please contact CBI marketing, on (011) 928 2022.

SMS WINNERS

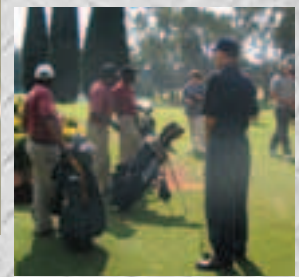
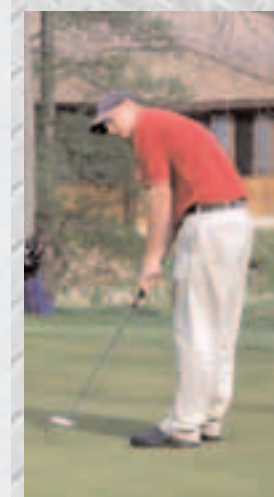
Congratulations to the lucky winners who participated in the Switch SMS Competition and won these awesome prizes!



WEEK 1 (left). Blits Electrical and Dirk Engelbrecht, taking home a DVD & VCR Combo Player!

WEEK 2 (below left). Paulo Almeida, from Pollek Services, won a multi-funtional digital camera!

WEEK 3 (below right). Jacques Immelman of Immelman Electrical is going to enjoy his 4x4 Driving course!



CBI was a sponsor at the ECA golf day.

Did you know that CBI is the only private company that has a short circuit test facility in the Southern Hemisphere? We recently hosted customers for a short circuit test of our Mitsubishi switchgear. Our NF 400 SP 250 was put through it's paces, breaking capacity at 35kA at 530V, and passed with flying colours!

