



Power-Up your Knowledge

Circuit Breaker Basics - Module 1, 2 & 3

Attendance earns you 1 CPD point with CESA - Validation Number: CESA-1192-10/2020

Power-up your knowledge with CBI-electric: low voltage and claim 1 CPD point from CESA at no cost. Circuit breaker technology and application is not taught to engineering students at university level, therefore CBI deems it necessary to further the knowledge of all consulting engineers through a detailed understanding of circuit breaker technologies, infield product application and safety. As a proudly South African manufacturer, we believe it our corporate responsibility to equip consulting engineers with value-added exposure free of charge.

Course Outline and Program:

Description	Time
Arrival	7:30 to 8:00
1. Prelude / History	8:00 to 9:30
2. The Need for Protection	
3. Operating Principles	
TEA BREAK	9:30 to 9:45
4. Technology Comparison	9:45 to 12:00
5. Curves	
6. Cascading	
7. Discrimination	
LUNCH	12:00 to 12:30
8. Type 1 / 2 Co-ordination	12:30 to 14:30
9. Type Tested Panels	
10. Service & Maintenance	
TEA BREAK	14:30 to 14:45
11. Energy Efficiency	14:45 to 16:00
12. Certification	
CONCLUSION	

Learning Objectives:

- Detailed Circuit Breaker Understanding
- Technology Differentials
- Cascading / Co-ordination
- Type 1 / 2 Conditions
- Maintenance Requirements
- Special Use MCCBs
- CPD

A must attend for:

- Consulting engineers
- Electrical engineers and technicians
- Engineering managers
- Project engineers
- Design engineers
- Maintenance engineers and managers

FREE
CPD accredited
training

1 CPD Point

Duration: 1 full day

Time: 7:30 for 8:00 to 16:00

Course materials, food, beverages and certificate included with training

About the Training Facilitator:



Kevin Flack is currently the Product Manager for Moulded Case Circuit Breakers at CBI electric: low voltage. Kevin has more than 40 years of experience in the electrical field and specialist circuit breaker maintenance and management knowledge.

Kevin specialises in technical consultation and engineering. He holds qualifications in electrical engineering, mechanical engineering, quality and assessment of switchgear and controlgear.

The following Terms and Conditions will apply:

- By making a booking, the terms and conditions herein contained are deemed to have been read and accepted:
 - This training is specifically aimed at professional engineers. Minimum requirement: 4 year degree or diploma in electrical engineering, or equivalent experiential training.
 - No seats will be reserved, unless CBI (Pty) Ltd receives a completed online registration form.
 - CBI (Pty) Ltd reserves the right, due to circumstances beyond our control, to change the speakers, program, date and venue.
 - **Cancellations:** All cancellations must be received in writing. Cancellations must be received in writing seven (7) working days or more before the training is to be held. Cancellations to be sent to cpdtraining@cbi-electric.com.
 - **Substitutions:** Delegates must inform CBI (Pty) Ltd in writing of any substitutions three (3) working days or more before the training is to be held. The substitute must have the same or similar qualification as the delegate. CBI (Pty) Ltd will not be held liable for incorrect delegate details on certificates, etc. in the event of substitutions being made on the day of the training.
 - CBI (Pty) Ltd will not be liable for travel and accommodation costs. The training includes training material, certificate of completion, lunches and refreshments, but excludes travel and accommodation.
 - In the event of CBI (Pty) Ltd having to cancel or postpone an event due to circumstances beyond our control, delegates will get prior notice within seven (7) working days before the training is to be held. CBI (Pty) Ltd will not be responsible for expenses incurred by the client in case of changes to the event.